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ABSTRACT

Recent workplace literacy initiatives for limited-English-proficient (LEP) employees in Illinois have resulted in employer interest in the measurement of adult English-as-a-Second-Language (ESL) achievement, particularly in the area of reading comprehension. Employers are requesting that evidence of a language minority employee's reading ability be reported in grade level equivalents similar to those used to report the skill levels of native speakers. The study reported here investigated the following: (1) whether there is any correlation between commonly-used ESL tests of reading comprehension and adult basic education norm-referenced tests; (2) which tests are more highly correlated; and (3) whether any adult ESL reading comprehension test can be used to predict performance on adult basic education tests. Some specific correlations were found. In addition, commonalities in the populations of LEP nonnative speakers and undereducated native speakers were noted. Further research with larger samples is recommended. Appended materials include forms, data, and correspondence related to the study. (Author/MSE) (Adjunct ERIC Clearinghouse on Literacy Education)

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ED318289

William Rainey Harper College
Federal 353 Project
Fiscal Year 1989

FINAL REPORT

DETERMINING READING LEVELS FOR NONNATIVE SPEAKERS OF ENGLISH: A STUDY TO EXPLORE THE POSSIBILITY OF CORRELATIONS BETWEEN NONNATIVE LITERACY (ESL) and ADULT BASIC EDUCATION (ABE) READING TESTS

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William Rainey Harper College
Federal 353 Project
Fiscal Year 1989
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First of all, I wish to thank Project Coordinator Elizabeth Minicz for her enthusiastic and dedicated pursuit of Project goals from initial Project Proposal through the Final Report. Others deserving of special thanks include staff at the Illinois ESL Adult Education Service Center or at Harper College.

Dennis Terdy, Illinois ESL Adult Education Service Center Director, contributed his general expertise and knowledge of ESL instruction, particularly of assessment instruments and his high level of energy. Consultant Rod Garreton painstakenly analyzed large quantities of test data and utilized his computer knowledge for the Project. Harper staff member Eileen Brown served as the Project Assistant and was particularly helpful in supporting the student testing sessions. Dr. Elizabeth McKay, Dean of the Academic Enrichment and Language Studies Division at Harper College, offered overall support in proposing and conducting the Project.

Finally, I wish to gratefully acknowledge the cooperation, collaboration, and assistance of adult education program directors and instructors who participated in the correlation studies testing.

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ABSTRACT

Recent workplace literacy initiatives for limited English proficient employees in Illinois have resulted in interest by employers for measuring Adult English as a Second Language (ESL) student achievement, particularly in the area of reading comprehension. These employers are requesting that evidence of a language minority employee's reading ability be reported in grade level equivalents. Basic skills assessment instruments for adult native speakers routinely assign grade level equivalents to test scores (for reading, vocabulary, spelling, mathematics, etc). The business and industry community expects scores for nonnative speakers of English to be similarly reported.

Companies are not interested in the rationale about the inappropriateness of standardized tests for second language learners. Although "re-education" is desirable, it is not possible given the immediacy of the problem.

This initial study attempts to meet the demands for accountability by employers. Because there are currently no standardized adult ESL reading comprehension tests which report scores in grade level equivalents, this study was initiated in order to find answers to several questions.

1) Is there a correlation between commonly used adult ESL tests of reading comprehension and adult basic education norm referenced tests?

2) Which tests are more highly correlated?

3) Can any adult ESL reading comprehension test be used to predict performance on adult basic education tests?

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PART I

THE FINAL REPORT

A. DESIGN OF THE STUDY

THE STUDY

The Adult Educational Development Department of William Rainey Harper College, with the cooperation of staff at the Illinois Adult Education English as a Second language (ESL) Service Center, engaged in a research project to conduct correlation studies between Adult ESL and Adult Basic Education (ABE) reading tests for the purpose of establishing reading level equivalencies for nonnative speakers of English.

METHODS

The study began with a telephone survey of testing instruments used in adult education programs in Illinois. Thirty-nine ESL and forty-three ABE-GED programs in Illinois were contacted during the months of August and September of 1988. The programs were asked to identify the reading tests used for placement and achievement. (Refer to Appendix I). The survey indicated that nineteen different tests were being used for ESL placement purposes and twelve for achievement; seventeen different tests were being used for ABE placement and fourteen for achievement; fourteen different tests were being used for GED placement, and eleven for achievement.

Some comments need to be made about the testing instruments being used for ESL placement in Illinois. Although oral interview tests such as the English as a Second Language Oral Assessment (ESLOA), the John Test, and teacher made or in-house tests are used for placement purposes, none were used as a measurement of achievement. Several tests in use were clearly not developed for ESL students: Iowa Test of Basic Skills (ITBS); Nelson-Denny Reading Test, Stanford Informal Reading Inventory, Slosson Oral Reading Test (SORT); and Test of Adult Basic Education (TABE) Locator Test. Other tests used could best be described as discrete grammar tests: English Proficiency Tests (EPT); Structure Tests of English Language (STEL); and Comprehensive English language Test (CELT). The actual field of ESL reading tests or ESL tests with reading components was narrowed to three; English Language Skills Assessment (ELSA), Basic English Skills Test (BEST), and Test of English as a Foreign Language (TOEFL). The remaining tests were part of basal textbook series. Of the three ESL reading tests mentioned above, only the ELSA was considered for the study. The BEST test is too long and too difficult to correct, and the TOEFL is not appropriate for adult immigrants as it is used chiefly for placement into two and four year colleges and universities. The survey then yielded only one ESL reading test to be considered for the project.

The survey of ABE placement and achievement tests clearly showed, again, a lack of uniformity throughout the state; however, the TABE was undeniably the test of choice as 60 percent of the ABE programs were using it for both placement and achievement. The other tests in use ranged from word calling tests such as the SORT and the Wide Range Achievement Tests (WRAT) to tests clearly designated for the K-12 population such as the Gates-MacGinitie Reading Survey Test or the Woodcock Reading Mastery Test.

The Project Coordinator met with staff from the Illinois ESL Adult Education Service Center to discuss the results of the survey and to elicit additional recommendations of tests. Tests were also purchased for examination purposes, and the Educational Testing Service (ETS) in New Jersey shared field test copies of a new test being developed.

In order to determine which four tests would be used for the correlation studies, test selection criteria had to be developed. (Appendix II). This was accomplished by the Project Coordinator, the ESL Adult Education Service Center Director, thereafter referred to as the Project Advisor, and the Statistical Consultant. (Refer to test selection criteria).

The statewide telephone survey results were used to select two tests, the ELSA and the TABE. Examination of additional tests in light of the test selection criteria led to the choice of the Test for English Proficiency Level (TEPL), an ESL test, and the Adult Basic Learning Examination (ABLE), an ABE test, as the other two tests for the correlation studies. Although, the TEPL is not currently being used in Illinois, and of the ABE programs only three percent in Illinois are using the ABLE, these tests met most of the test criteria. (Refer to Appendix III for a comparison of the four tests).

Several problems needed to be resolved before the tests could be purchased. Newbury House, the publisher of the ELSA test, suspended printing and distribution. Eventually, after numerous telephone calls and correspondence, Newbury House granted permission to photocopy the ELSA and indicated that plans for resumption of the sale and distribution of the test could be dependent on the results of the correlation studies (Appendix IV). As a further complication, in March of 1989 at the Teachers of English to Speakers of Other Languages (TESOL) Conference in San Antonio, Texas, the Project Coordinator learned that Newbury House had ceased selling all the ESL tests it had been publishing. The reading comprehension portion of the TEPL is combined with grammar and writing components. The author of the test, George Rathmell, gave permission to use only the reading comprehension portions of the test for the study.

SUBJECTS

The College of Lake County (CLC), Elgin Community College (ECC) and Oakton Community College - MONNACEP endorsed the project in its proposal stage. These colleges, along with William Rainey Harper College, which was conducting the study, and the English as a Second Language Program of Township High School District 214 were the sites where combinations of the four tests were administered to students. The assistance of Directors and/or Coordinators was enlisted to identify instructors interested in participating in the project.

Potential participants received a letter from the Project Coordinator which explained the goal of the project and requested their cooperation. (Appendix V). The letter announced the date of training for participants and invited those who were interested to call the Project Coordinator for more information. (Appendix VI). Two training sessions were conducted, one December 14, 1988, and another on April 24, 1989. A total of twenty-seven teachers attended the two training sessions and administered tests to 703 students.

The Project Coordinator, ESL Project Advisor, and the Statistical Consultant determined that only ESL students with literacy skills could be tested; therefore, high-beginning was the lowest level of placement for students involved in the project.

Because the majority of adult ESL students in Illinois are enrolled in beginning and intermediate level classes, advanced level students were not tested in this study. Unfortunately, due to the lack of uniformity in placement procedures from ESL Program to ESL program, the defining characteristics of beginning and intermediate students are somewhat vague. The teachers who administered the tests decided which forms or levels would be most appropriate for their students. The assignment of particular tests to a program was based on which placements test were currently being used and/or interest in a "new" or different test.

Each student participant completed a data form at the time of testing. The information on this form (age, native country, sex, number of years of schooling, and length of time in the U.S) provided data for the five variables introduced into the study. (Appendix VII).

PROJECT ACTIVITIES

Although the Project Coordinator did not adhere strictly to the timeline of outlined activities, the reasons for deviation were acceptable. The survey of ABE, GED, and ESL programs took longer that anticipated because of the unavailability of contacts, many of whom either worked part-time or were on vacation. Test selection could not occur until the survey was completed. Since only two tests were identified by the survey, additional time was needed to examine other tests. Many of them had to be ordered and consequently there were more delays, but that did allow for adequate time to develop the test selection criteria.

The uncertainty concerning future availability of the ELSA test delayed the project. Eventually, permission to photo-copy the test was granted. The ELSA and TEPL tests were duplicated in-house, but the TABE and ABLE had to be ordered from the publishers. The receipt of the tests was delayed due to errors made by the Business Office at Harper. This was compounded by winter breaks in classes, and testing did not begin until February when ESL classes resumed and were in session for two to three weeks. It was necessary to wait for enrollments to stabilize before testing was started.

Eighteen teachers at four sites had been trained to administer the tests in December; and by the end of march 897 tests had been collected, corrected, and turned over to the Statistical Consultant. The four tests chosen, were seven tests in reality, as these were two levels each of the TABE, ABLE, and ELSA.

The expected numbers of students in the sample were based on teachers' predictions of attendance patterns. Students were tested at two different class sessions, but only the tests of those students who were present both times could be used for the correlation study. This resulted in a smaller sample than anticipated, and it was then necessary to do more testing. A second training session, attended by nine teachers was completed. But due to absences the sample was not as large as expected. Neither time nor money was available to test more students.

B. FINDINGS

Description of the sample

The total sample, all of the students who took some form of test for this study, was quite large (n=702). It was originally expected that approximately 300 test samples per each of the ESL tests (TEPL and ELSA) and their corresponding ABE test (TABE and ABLE) would be collected.

In actuality, however. the sample sorted out into twelve possible combinations of the four tests, due to the different forms and levels of the tests available. The TEPL sample was divided in four to account for the two levels of the TABE and the two levels of the ABLE. The ELSA suffered an eight way split as two levels of the ELSA, the ELSA-BN and the ELSA-IN were used for the study. In turn each of these forms was split again four times in accordance with the forms used for the TABE and ABLE.

Following is a table indicating the number of cases for each pair of tests and forms. The total does not add to 702 as there were a number of incomplete sets of tests. This is mainly due to the fact that individual students might have not taken the two tests or had not taken the two parts of the test when there were two areas (vocabulary and comprehension). This is a normal occurrence when the population has the characteristics of the sample, primarily working adults with variable attendance patterns.

Table 1. Distribution of the sample

TOTAL SAMPLE ——— 702

TEPL — 347
ELSA — 355

TEPL & (TABE-E V - TABE-E C) — 11 cases
TEPL & (TABE-M V - TABE-M C) — 70 cases
TEPL & (ABLE-1 V - ABLE-1 C) — 80 cases
TEPL & (ABLE-2 V - ABLE-2 C) — 63 cases

ELSA-BN & TABE-E V — 131 cases
ELSA-BN & TABE-E C — 47 cases
ELSA-BN & (TABE-M V - TABE-M C) — 0 cases
ELSA-BN & (ABLE-1 V - ABLE-1 C) — 11 cases
ELSA-BN & (ABLE-2 V - ABLE-2 C) — 12 cases

ELSA-IN & (TABE-E V - TABE-E C) — 14 cases
ELSA-IN & (TABE-M V - TABE-M C) — 24 cases
ELSA-IN & (ABLE-1 V - ABLE-1 C) — 78 cases
ELSA-IN & (ABLE-2 V - ABLE-2 C) — 9 cases

The following are demographic characteristics of the sample. The average age is thirty-one years old and the sample is almost perfectly balanced between males and females (49% and 51% respectively). The average residence in the US is seven years and the average schooling is ten years. It must be kept in mind that this information is self reported, consequently caution must be displayed when attempting any conclusions based on these data.

Table 2. Demographic Characteristics of the Sample

Average Age ---- 31

Average schooling ---- 10 years

Percent females ----- 49%
Percent males ----- 51%

Average schooling for females ---- 11 years
Average schooling for males ---- 9 years

Average residence in the US ---- 7 years

Average schooling for students taking the ELSA ---- 14 years

Average schooling for students taking the TEPL ---- 11 years

Table 2.1 lists the nationalities of the students in the sample population. As expected the largest percentage, 53%, corresponds to individuals from Mexico. Japan and Korea follow with 9% and 5% respectively. The Central American countries have smaller representation than expected, possibly due to the self reporting nature of this data.

The surprisingly high percentage of Japanese nationals is not indicative of the total ESL population in Illinois, but rather can be attributed to the enrollment patterns existing in district 214. This district offers free daytime ESL classes, and there is a substantial Japanese community in the Northwest suburban area.

Table 2.1 Countries of origin in rounded percentages.

Mexico	53%
Japan	9%
Korea	5%
Poland	4%
El Salvador	3%
China	2%
Colombia	2%
Taiwan	2%
Ecuador	1%
Brazil	1%
Germany	1%
Greece	1%
Guatemala	1%
India	1%
Iran	1%
Israel	1%
Italy	1%
Peru	1%
Puerto Rico	1%
Vietnam	1%
Yugoslavia	1%
Other	7% (each less than 1% or not reported)

(A complete set of the raw data is included in the Appendix.)

The testing results

The test results were paired according to the scheme described earlier; that is, the TEPL and the ELSA test results were analyzed with their counterpart test results of the TABE or the ABLE.

The following is a listing of the resulting combinations:

Table 3. TEST PAIRS.

TEPL & (TABE-E V - TABE-E C)
(TABE-M V - TABE-M C)
(ABLE-1 V - ABLE-1 C)
(ABLE-2 V - ABLE-2 C)

ELSA-BN & (TABE-E V - TABE-E C)
(TABE-M V - TABE-M C)
(ABLE-1 V - ABLE-1 C)
(ABLE-2 V - ABLE-2 C)

ELSA-IN & (TABE-E V - TABE-E C)
(TABE-M V - TABE-M C)
(ABLE-1 V - ABLE-1 C)
(ABLE-2 V - ABLE-2 C)

Given the number of complete sets for each combination, there were only four out of the twelve sets which had large enough samples to warrant analysis. The TEPL and TABE-M with seventy cases; the TEPL and ABLE-1 with eighty cases, and the TEPL and ABLE-2 with sixty-three cases. The ELSA-IN with the ABLE-1 was the only one viable with seventy-eight cases.

A special situation developed with the number of cases showing scores for the ELSA-BN and TABE-E combination. The vocabulary section of the TABE-E had 131 cases but only forty-seven students completed the comprehension section. Although there were not enough complete sets for this combination, analysis was performed considering the large number of cases available.

The TEPL (Test of English proficiency level)

The following are tables of values for selected variables of the set of students taking the TEPL.

Table 4. Values for variable TEPL.

TABLE OF VALUES FOR VARIABLE = TEPL
FREQUENCIES

3.000	4.000	5.000	6.000	7.000	8.000
3	1	2	1	2	1

9.000	10.000	11.000	12.000	13.000	14.000
1	7	7	4	1	6

15.000	16.000	17.000	18.000	19.000	20.000
4	6	4	6	2	8

21.000	22.000	23.000	24.000	25.000	26.000
5	3	5	4	2	4

27.000	28.000	29.000	30.000	31.000	32.000
10	8	6	10	14	6

33.000	34.000	35.000	36.000	37.000	38.000
7	7	7	7	8	11

39.000	40.000	41.000	42.000	43.000	44.000
10	13	9	12	12	10

45.000	46.000	47.000	48.000	49.000	50.000
11	11	6	11	9	10

51.000	52.000	53.000	54.000	55.000	56.000
7	8	5	4	2	5

57.000	TOTAL
2	347

TEPL

Table 4.1 Values for variable AGE. (TEPL)

TABLE OF VALUES FOR VARIABLE = AGE
FREQUENCIES

N/A			17.000	19.000	20.000
9			1	8	18

21.000	22.000	23.000	24.000	25.000	26.000
5	9	13	12	14	21

27.000	28.000	29.000	30.000	31.000	32.000
18	17	12	11	11	8

33.000	34.000	35.000	36.000	37.000	38.000
8	19	13	13	22	12

39.000	40.000	41.000	42.000	43.000	44.000
7	12	6	6	1	3

45.000	46.000	47.000	48.000	49.000	50.000
3	3	3	3	4	4

51.000	53.000	54.000	55.000	56.000	60.000
3	1	2	1	1	2

61.000	64.000	65.000	68.000	70.000	TOTAL
2	1	2	1	1	347

* (Note: All numerical data or scores are given with three decimal points).

TEPL

Table 4.2 Values for variable SEX (TEPL).

TABLE OF VALUES FOR VARIABLE = SEX
FREQUENCIES

F	M	TOTAL
210	137	347

Table 4.3 Values for variable COUNTRY (TEPL).

TABLE OF VALUES FOR VARIABLE = COUNTRY
FREQUENCIES

N/A	ARGENTINA	BOLIVIA	BRAZIL	CHICAGO	CHINA
7	1	1	3	1	7

COLOMBIA	DENMARK	ECUADOR	EL SALVADOR	GERMANY	GREECE
11	2	5	15	4	4

GUATEMALA	HAITI	HONGKONG	INDIA	IRAN	ISRAEL
1	1	1	5	7	4

ITALY	JAPAN	KOREA	LAOS	MEXICO	NETHERLANDS
4	38	28	1	126	2

NICARAGUA	PANAMA	PERU	PHILIPPINES	POLAND
1	1	3	3	22

PUERTO RICO	RUSSIA	S. KOREA	SWITZERLAND	SYRIA	TAIWAN
3	2	2	1	3	10

THAILAND	U.S.	USSR	VIETNAM	W. GERMANY	YUGOSLAVIA	TOTAL
2	1	2	3	1	8	347

TEPL

Table 4.4 Values for variable SCHOOL (TEPL)

TABLE OF VALUES FOR VARIABLE = SCHOOL
FREQUENCIES

0.000	1.000	2.000	3.000	4.000	5.000
7	1	5	3	6	4

6.000	7.000	8.000	9.000	10.000	11.000
38	2	12	29	19	18

12.000	13.000	14.000	15.000	16.000	17.000
78	13	35	18	38	9

18.000	19.000	25.000	TOTAL
10	1	1	347

Table 4.5 Values for variable USA (TEPL).

TABLE OF VALUES FOR VARIABLE = USA
FREQUENCIES

- 1.000	1.000	2.000	3.000	4.000	5.000
32	68	31	21	26	11

6.000	7.000	8.000	9.000	10.000	11.000
15	19	36	21	12	9

12.000	13.000	14.000	15.000	16.000	17.000
12	3	4	3	7	4

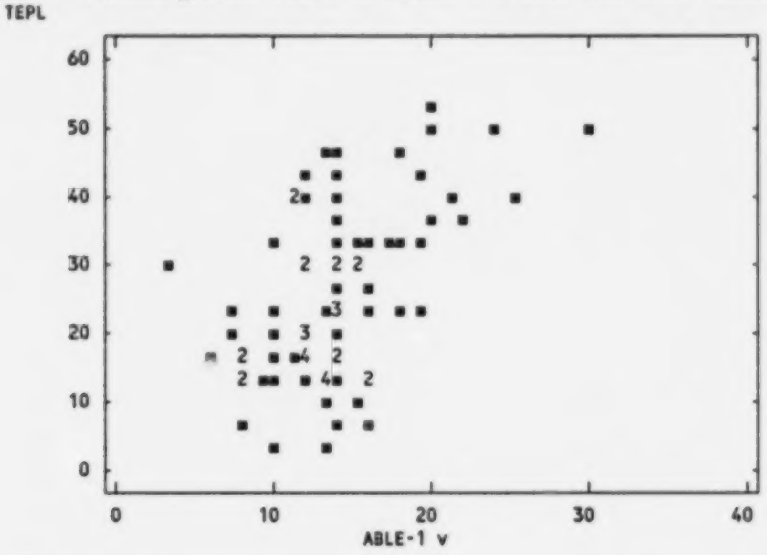
19.000	20.000	21.000	24.000	25.000	28.000
3	2	3	1	1	1

30.000	32.000	TOTAL
1	1	347

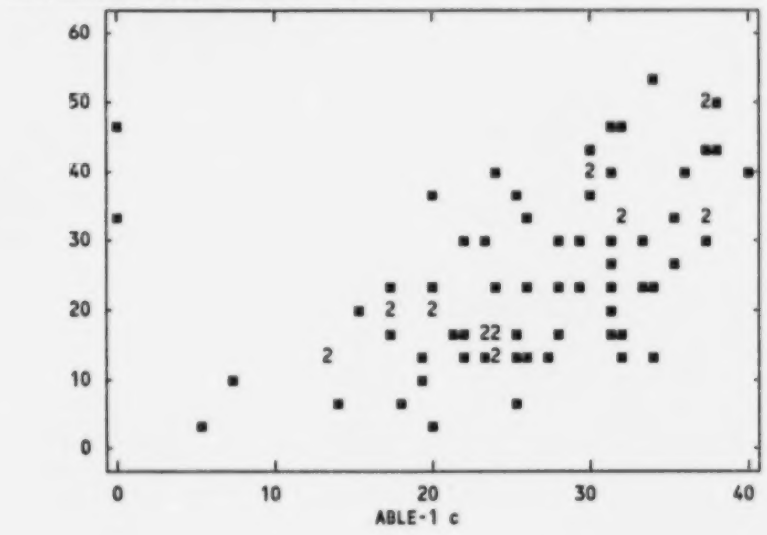
The relationship analysis. (TEPL)

Following are the graphic depictions in the form of scattergrams showing the degree of relationship between the TEPL scores and the associated scores on the ABLE 1 and 2.

Table 5. Scattergrams TEPL & ABLE-1 v and TEPL & ABLE-1 c.

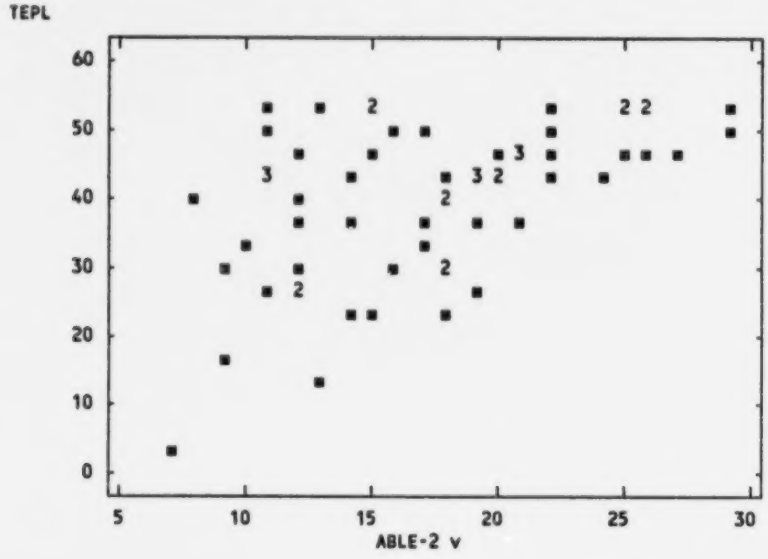


TEPL NUMBER OF OBSERVATIONS: 80



TEPL

Table 5.1 Scattergrams TEPL & ABLE-2 v and TEPL & ABLE-2 c.



NUMBER OF OBSERVATIONS: 63

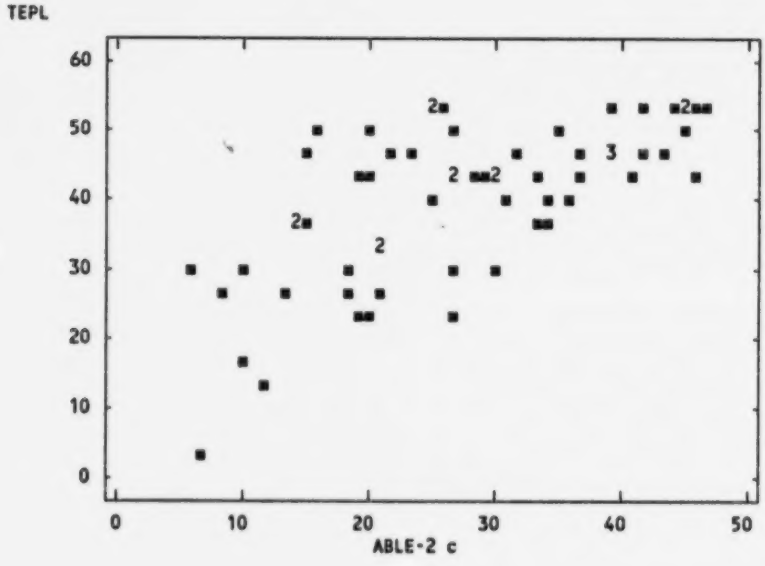


Table 5.2 TEPL / ABLE correlation coefficients.

PEARSON CORRELATION MATRIX

	TEPL	ABLE-1 v	ABLE-1 c
TEPL	1.000		
ABLE-1 v	0.527	1.000	
ABLE-1 c	0.478	0.396	1.000

PEARSON CORRELATION MATRIX

	TEPL	ABLE-2 v	ABLE-2 c
TEPL	1.000		
ABLE-2 v	0.506	1.000	
ABLE-2 c	0.667	0.497	1.000

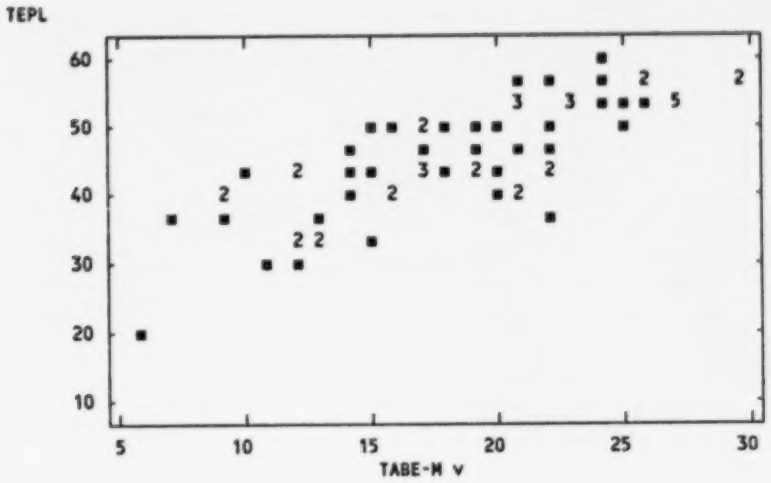
As can be observed from the scattergrams (Tables 5 and 5.1), the relationships between the scores for the TEPL and the two forms of the ABLE (1 and 2), for both the vocabulary and comprehension sections are not very strong.

The Pearson correlation coefficient for the TEPL and ABLE-1 are only .527 and .396 for the vocabulary and comprehension sections, respectively.

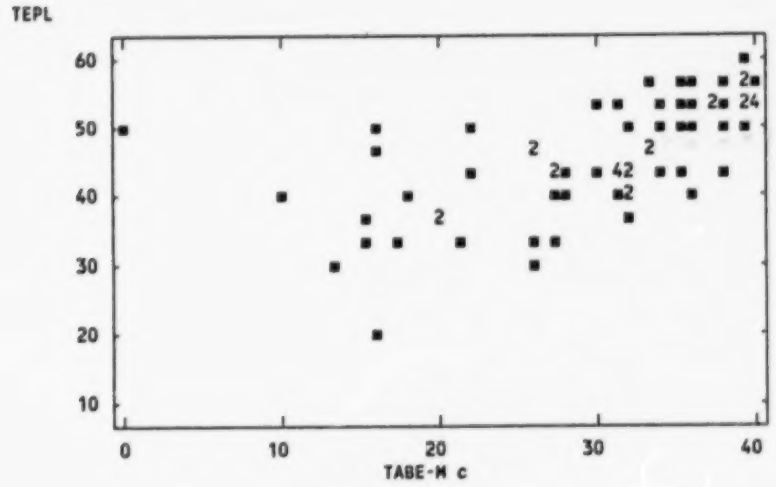
The Pearson correlation coefficient for the TEPL and the ABLE-2 is not significantly different, .506 and .497 for the vocabulary and comprehension sections, respectively.

TEPL

Table 6. Scattergrams TEPL & TABE-M v and TEPL & TABE-M c.

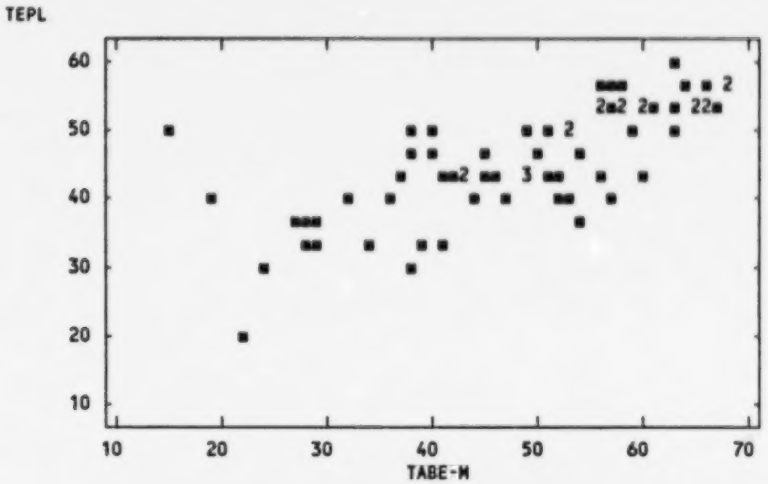


TOTAL OBSERVATIONS: 70



TEPL

TABLE 6.1 Scattergram TEPL & TABE-M.



As can be observed from the scattergrams in Tables 6 and 6.1, the relationships between the scores in the TEPL and the M form of the TABE test show a strong relationship. The TABE-M variable was computed as the composite of both the TABE-M v and TABE-M c scores to assess the potential strength of that association of variables. (Table 6.2)

The relationship can be quantified through the Pearson correlation coefficient computed for the tests and shown in Table 6.2. As indicated the coefficients are high: TEPL and TABE-M v .784; TEPL and TABE-M c .608; and for the TEPL and TABE-M .738. These strong relationships are encouraging in view of the expectation of this study to ultimately predict students scores on an adult education test based on the scores obtained on the ESL specific test. Later, the issue of regression analysis to accomplish this objective will be discussed.

Table 6.2 Correlation coefficients TEPL and TABE-M.

PEARSON CORRELATION MATRIX

	TEPL	TABE-M v	TABE-M c	TABE-M
TEPL	1.000			
TABE-M v	0.784	1.000		
TABE-M c	0.608	0.674	1.000	
TABE-M	0.738	0.374	0.948	1.000

NUMBER OF OBSERVATIONS: 70

The ELSA (English Language Skills Assessment)

The following are tables of values for selected variables of the set of students taking the ELSA forms B and I.

Table 7. Values for variable AGE.(ELSA)

TABLE OF VALUES FOR AGE
FREQUENCIES

N/A			16.000	17.000	18.000	
19			1	3	7	
19.000	20.000	21.000	22.000	23.000	24.000	
10	14	21	12	15	15	
25.000	26.000	27.000	28.000	29.000	30.000	
10	14	16	23	17	19	
31.000	32.000	33.000	34.000	35.000	36.000	
16	10	10	9	10	16	
37.000	38.000	39.000	40.000	41.000	42.000	
7	8	10	7	6	3	
43.000	44.000	45.000	47.000	49.000	50.000	
5	4	3	3	1	2	
51.000	52.000	53.000	57.000	58.000	74.000	TOTAL
2	1	1	1	2	1	355

Table 7.2 Values for variable SEX (ELSA).

TABLE OF VALUES FOR SEX
FREQUENCIES

F	M	TOTAL
141	214	355

ELSA

TABLE 7.3 Values for variable COUNTRY (ELSA)

TABLE OF VALUES FOR COUNTRY
FREQUENCIES

N/A	ALBANIA	BRAZIL	CHINA	COLOMBIA	CUBA
20	1	2	2	3	1

ECUADOR	EL SALVADOR	GREECE	GUATEMALA	INDIA
2	8	1	6	1

IRAN	ISRAEL	ITALY	JAPAN	KOREA
1	2	1	24	7

LAOS	MEXICO	NICARAGUA	PAKISTAN	PERU	POLAND
3	240	1	2	4	5

PUERTO RICO	SPAIN	SWEDEN	SYRIA	TAIWAN	THAILAND
3	1	1	1	4	2

VIETNAM	YUGOSLAVIA	TOTAL
4	2	355

ELSA

Table 7.4 Values for variable SCHOOL (ELSA)

TABLE OF VALUES FOR SCHOOL
FREQUENCIES

0.000	1.000	2.000	3.000	4.000	5.000
25	1	11	12	12	15

6.000	7.000	8.000	9.000	10.000	11.000
78	15	16	42	16	13

12.000	13.000	14.000	15.000	16.000	17.000
48	10	19	8	7	3

18.000	TOTAL
4	355

TABLE 7.5 Values for variable USA (ELSA).

TABLE OF VALUES FOR USA
FREQUENCIES

0.000	1.000	2.000	3.000	4.000	5.000
32	54	15	29	18	15

6.000	7.000	8.000	9.000	10.000	11.000
18	11	42	22	22	14

12.000	13.000	14.000	15.000	16.000	18.000
14	7	11	12	3	4

19.000	20.000	21.000	22.000	23.000	26.000
4	1	1	1	2	1

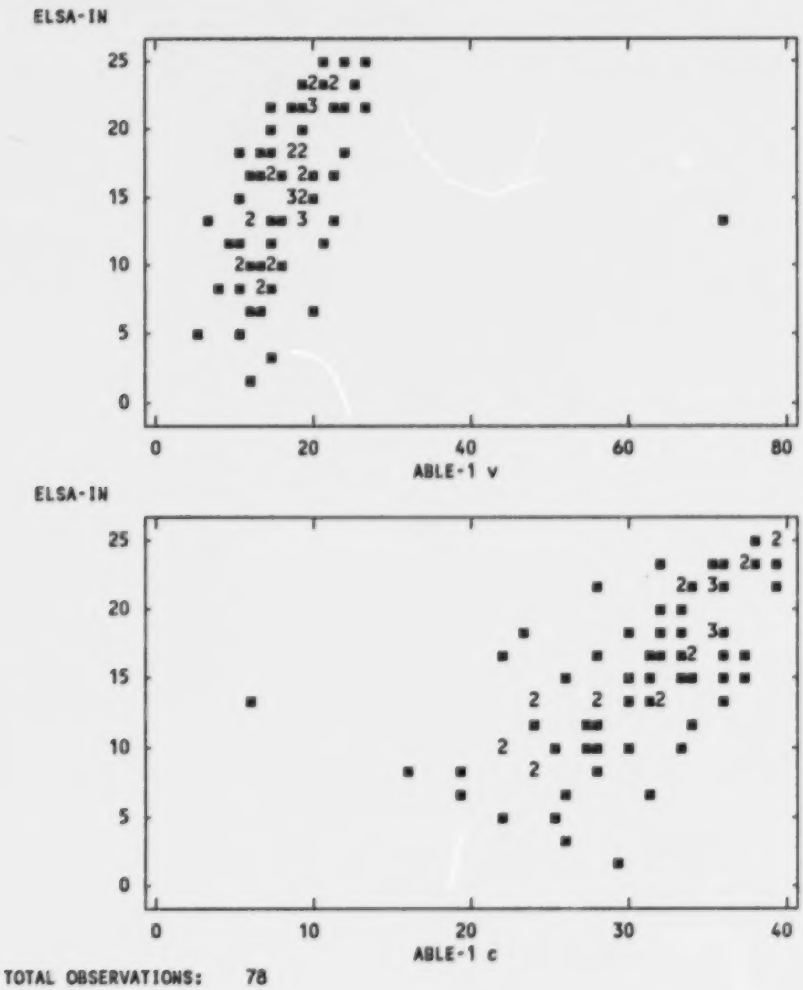
40.000	TOTAL
2	355

ELSA

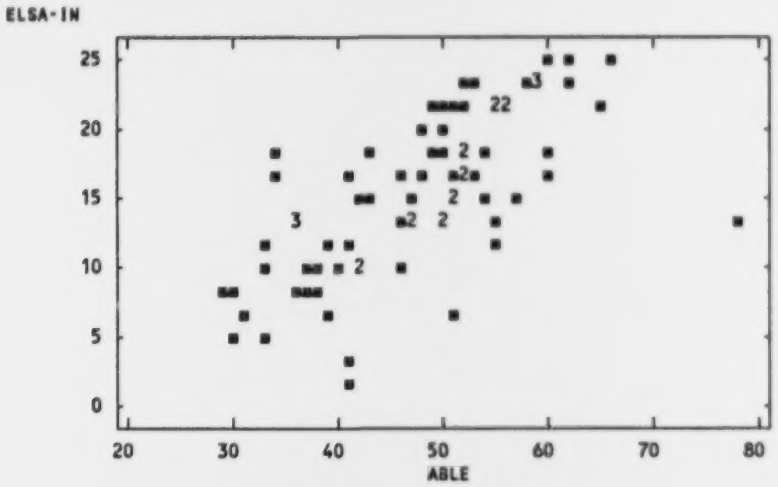
Given that two forms of the ELSA were used, BN and IN, the analysis was conducted separately for both forms and the relevant test results. As indicated earlier, the meaningful number of samples was obtained from students who took both the ELSA-IN and the ABLE-1 (78 cases).

Following are the graphic depictions in the form of scattergrams showing the degree of relationship between the ELSA-IN scores and the associated scores on the ABLE-1 tests.

TABLE 8. Scattergram ELSA-IN and ABLE-1 v and ABLE-1 c.



ELSA



As the scattergrams depict in tables 8. and 8.1 the relationships between the the scores for the ELSA-IN and the ABLE scores are relatively strong. Particularly strong is the relationship between the ELSA-IN and the comprehension section of the ABLE-1.

The actual correlation coefficients computed confirm the graphic observation. The ELSA-IN and the ABLE-1 v is only .356; the correlation coefficient for the ABLE-1 c is .644; and the coefficient for a composite score of the vocabulary and comprehension results is .668. See table 8.1 .

TABLE 8.1 ELSA-IN / ABLE 1 correlation coefficients.

PEARSON CORRELATION MATRIX

	ELSA-IN	ABLE-1 v	ABLE-1 c	ABLE
ELSAI	1.000			
ABLE-1 v	0.356	1.000		
ABLE-1 c	0.644	0.021	1.000	
ABLE	0.668	0.797	0.621	1.000

NUMBER OF OBSERVATIONS: 78

C. CONCLUSIONS

CONCLUSIONS

Undoubtedly this study found strong correlations (in the range of .784) to exist between the TEPL and the TABE-M tests. The same is true of the correlation between the ELSA I and the ABLE-1 (.644). Unfortunately the size of the samples did not warrant plotting regressions on the variables for which correlations were found to be strong.

Meaningful regressions, or prediction of scores on one test based on the results of another, can and should only be performed with a large enough sample so that there are enough pairs of scores to venture significant predictions. At this point samples of eighty cases are not large enough to accomplish this. Nevertheless, this exploratory research indicates that there is strong evidence to support the relationships anticipated to exist.

It is recommended that a new series of testing be conducted using only the TEPL and TABE-M and the ELSA-IN with the ABLE-1 in order to increase the sample size for those tests which did produce the highest correlations. This will allow not only for regression tables to be constructed, but also will confirm the results obtained here. Furthermore, a second sample will create a clearer picture of the demographic characteristics of the population, given that this sample did not include students from programs within the city of Chicago or the west and south suburbs.

D. DISCUSSION

DISCUSSION

The major goal of this project was to correlate two commonly used adult ESL reading tests with two frequently used ABE tests to establish reading level equivalencies for non-native speakers of English for purposes of reporting progress to employers and funding agencies. Although the project has made steps toward achieving its goal, at this time further testing of students is necessary before recommendations can be made. The initial estimates of time and resources proved to be inadequate for a project of one year's duration. It does appear likely; however, that an extension would result in the verification of the already fairly strong correlation that appears to exist between the TEPL and TABE M and ELSA IN and ABLE I. It would be inappropriate at this time to suggest that a score on the TEPL or ELSA IN would be equivalent to a particular grade level because the samples are not large enough. An increase in the samples of 150-200 cases for each test would most likely substantiate the correlations.

The project did establish a framework for additional research in the assessment of reading comprehension skills of nonnative speakers. This is especially important at a time when there are few publishers interested in marketing ESL reading tests, but the market for providing ESL instruction in business and industry is exploding and demands for accountability from many sources are increasing.

As in any project, the goal is to find answers to the research questions. This study has determined that there is very likely a correlation between the TEPL and the TABE M and between the ELSA IN and ABLE I. In addition, this project has attracted the interest and attention of publishers who may themselves decide to pursue the subject of additional correlation studies. The issue is controversial in that historically the limited English proficient population has been viewed as distinctly separate from the native speaking population of undereducated adults. This project seems to indicate that there are commonalities between the two populations.

This project was quite successful in heightening the awareness of adult educators to the crisis in testing procedures in Illinois. The lack of uniformity from program to program, the use of inappropriate tests, and the lack of accountability measures have been highlighted by this project. The Coordinator has reported the results of the survey to the ESL Providers Group, the ISBE administrators, and to IACEA conference participants. She has also received numerous phone calls for assessment information from adult programs throughout the state. The mechanism for continuing the project is in place, the interest in it is high, and the
promise that further testing will result in a strong correlation, all point to the

importance of this project. Technically it may not be definitive, but in reality it has far exceeded the proposers' expectations.

Finally, this project has yielded additional information about the adult ESL population in the northwest Chicago suburban area. The demographic information collected may be useful in developing profiles of adult ESL students which could be of assistance in program planning. A continuation of the project would require that additional students at other program sites be tested, resulting in an increase of the demographic sample.

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APPENDICES

APPENDIX I

353 Project Telephone Survey Summary

Total Programs Surveyed

ESL - Thirty-nine (39)
ABE - Forty-three (43)
GED - Forty-three (43)

ESL, ABE, GED Placement and Achievement Tests Administered by Programs Surveyed

Nineteen (19) various tests for ESL Placement
Twelve (12) various tests for ESL Achievement
Seventeen (17) various tests for ABE Placement
Fourteen (14) various tests for ABE Achievement
Fourteen (14) various tests for GED Placement
Eleven (11) various tests for GED Achievement

Programs Surveyed

1. Belleville Area College - Mary Mueller (618)-235-2700
2. Black Hawk - Linda Fairweather (309)-797-5017
3. Carl Sandburg College - Kathy White (309)-344-2518
4. Champaign - Ford Counties - Mike Agone (217)-893-3038
   (Former contact person)
   (New director is currently being hired)
5. Chicago Board of Education - Anthony Podraza 989-2743
   Hilliard Adult Center
   Jesse Hill 243-1650
   Jackson Adult Center
6. City Colleges of Chicago - Dorothy McMurtry 885-3040
7. College of DuPage - Hazel Castro 858-2800
8. College of Lake County - Adena Staben 623-8686 ESL
   Joan Meginniss 223-6601 ABE/GED
9. Danville Area Community College - Dan Miller
   (217)-443-8874 x874
10. Elgin Community College - Scott Ebaugh 888-6904
11. Elgin School District U-46 - Susan Rickabaugh 742-7930 ESL
    Alan Robinson 888-5318 ABE/GED
12. Evanston Township High School - Sheldon Silver 492-3875 ESL
    Laura Johnson
    492-3875 ABE/GED
13. Five-County Regional Cooperative for Adult Education -
    Ms. Pat Orsburn
    (618)-734-4212
14. GRASP Adult Learning Center - Mavis Whitaker 328-4420
15. Highland Community College - Sharon Coch
    (815)-235-6121 ESL and ABE/GED

    Lynn Baer - (815)-235-6121
    Business and Industry
16. High School District #211 - Dennis Douglas 359-3300

17. High School District #214 - Barb Ziliak 437-1780 ESL
Jerry Ziliak 255-9700 ABE/GED

18. Illinois Valley Community College - Marie Griffin
(815)-224-2720

19. John A. Logan College - Johan Obis (618)-985-3741

20. John Wood College - Annette Newquist (217)-224-6500 x10

21. Joliet High School District #204 - Dr. Robert Beach
(815)-727-6875

22. Joliet Junior College - Terry Irby (815)-727-6544

23. Kankakee Community College - Sr. Marianne Cardosi
(815)-937-9199 ESL and ABE/GED
Richard Frey (815)-933-0202
Business and Industry

24. Kishwaukee College - Evelina Jose Cichy (815)-825-2086

25. Lake Land College - Becky Dorgan (217)-235-3131 x297

26. Lawrence Adult Education Center - Mike Robinson
(217)-525-3144

27. McLean/Dewitt County - Joyce Fritsch (309)-828-3309

28. Moraine Valley Community College - Philip Bobich 974-5342

29. Morton College - Don Weesenforth 656-8000

30. Oakton Community College - Linda Davis 635-1807 ESL
Ann Schench 724-6995 ABE/GED

31. Parkland College - Linda Van Rosenthal (217)-351-2200

32. Prairie State College - Betty Heron 756-3110 x3720 ESL
Sheila Cleary 756-3110 x3721 ABE/GED

33. Rend Lake College - Sherry Jones (618)-437-5321

34. Rock Valley College - Connie Fraizer (815)-654-4454

35. Sauk Valley College - Doris Cox (800)-843-7430

36. Southern Illinois University - Sarah Chasem (618)-453-2331

37. Spoon River College - Toni Trone (309)-647-4645 - original contact person
Debbie Stockman - current contact person

38. St. Clair County Educational Service Region - Ms. Pat Hunsaker (618)-398-5280

39. Sterling High School District #5 - Donna Hall (Salvation Army) (815)-625-1622

40. Truman College - Theresa Turnipesede 989-3887

41. Waubonsee Community College - Terry Samuelson 466-4811 x606

42. Waukegan East High School District #60 - John Shubitz 360-5538

43. William Rainey Harper College - Elizabeth Minicz 397-3000 x2223

ESL, ABE, GED Placement and Achievement Tests

Administered by Programs Surveyed

ABLE - Adult Basic Learning Examination

Adult Placement Reading Indicator

APL - Adult Performance Level

BEST - Basic English Skills Test

CELT - Comprehensive English Language Test for Speakers of English as a Second Language

Computer Management System - Chrysler Corporation

CTBS - California Test of Basic Skills

DST Phonics Placement Test - Decoding Skills Test

ELSA - English Language Skills Assessment

English Alfa Series Placement Test - (a textbook series)

English 900 Series - (a textbook series)

EPT - English Proficiency Test Battery - (precursor to STEL)

ESLOA - English as a Second Language Oral Assessment

ESL Oral Production Test from ESL Service Center

Gates-MacGinitie Reading Survey Test

GED Predictor Tests

Graded Paragraphs

Ilyin - (also refers to EPT and STEL)

In-house Achievement Tests

In-house Placement Tests

ITBS - Iowa Test of Basic Skills

(The) John Test: A Test of Oral Proficiency for ESL Placement

Laubach Placement Test

Monroe-Sherman Test

Nelson-Denny Reading Test

NIU: ESL Placement Test - Northern Illinois University ESL Placement Test

Oral Interviews

Plowski Test - (teacher-made test)

Side-By-Side Series Test - (a textbook series)

SORT - Slossen Oral Reading Test

Stanford Informal Reading Inventory

STEL - Structure Tests - English Language

TABE - Test of Adult/Basic Education

TABE Locator Test - Test of Adult Basic Education Locator Test

Teacher-made Oral Placement Tests

TOEFL - Test of English as a Foreign Language

Woodcock Reading Mastery Test

WRAT - Wide Range Achievement Test

ESL Placement Test Survey Results

Thirty-nine ESL Programs in Illinois were surveyed. The percentages listed below reflect program use of multiple tests for placement.

26%	administer	EPT/STEL/Ilyin
26%	administer	In-house Placement Tests
23%	administer	ELSA
21%	administer	ESLOA
13%	administer	(The) John Test
13%	administer	Oral Interviews
10%	administer	Teacher-made Oral Placement Tests
8%	administer	SORT
5%	administer	BEST
3%	administer	CELT
3%	administer	English Alfa Series Placement Test
3%	administer	ESL Oral Production Test from ESL Service Center
3%	administer	ITBS
3%	administer	Nelson-Denny Reading Test
3%	administer	NIU: ESL Placement Test
3%	administer	Plowski Test - (teacher-made)
3%	administer	Stanford Informal Reading Inventory
3%	administer	TABE Locator Test
3%	administer	TOEFL

ESL Achievement Test Survey Results

Thirty-nine ESL Programs in Illinois were surveyed. The percentages listed below reflect program use of multiple tests for achievement.

26%	administer	EPT/STEL/Ilyin
23%	administer	In-house Achievement Tests
21%	administer	ELSA
8%	administer	SORT
5%	administer	BEST
3%	administer	Adult Placement Reading Indicator
3%	administer	CELT
3%	administer	English 900 Series Test
3%	administer	ITBS
3%	administer	Side-By-Side Series Test
3%	administer	Stanford Informal Reading Inventory
3%	administer	TABE

ABE Placement Test Survey Results

Forty-three ABE Programs in Illinois were surveyed. The percentages listed below reflect program use of multiple tests for placement.

60% administer TABE
23% administer SORT
14% administer WRAT
12% administer TABE Locator Test
9% administer In-house Placement Tests
7% administer ABLE
5% administer Stanford Informal Reading Inventory
2% administer Adult Placement Reading Indicator
2% administer APL
2% administer Computer Management System-Chrysler Corporation
2% administer CTBS
2% administer DST Phonics Placement Tests
2% administer Gates-MacGinitie Reading Survey Test
2% administer ITBS
2% administer Laubach Placement Test
2% administer Monroe-Sherman Test
2% administer Woodcock Reading Mastery Test

ABE Achievement Test Survey Results

Forty-three ABE Programs in Illinois were surveyed. The percentages listed below reflect program use of multiple tests for achievement.

60% administer TABE
19% administer SORT
14% administer WRAT
7% administer ABLE
7% administer In-house Achievement Tests
5% administer Gates-MacGinitie Reading Survey Test
5% administer Stanford Informal Reading Inventory
2% administer Computer Management System-Chrysler Corporation
2% administer CTBS
2% administer Graded Paragraphs
2% administer ITBS
2% administer Monroe-Sherman Test
2% administer Nelson-Denny Reading Test
2% administer Woodcock Reading Mastery Test

GED Placement Test Survey Results

Forty-three GED Programs in Illinois were surveyed. The percentages listed below reflect program use of multiple tests for placement.

49%	administer	TABE
14%	administer	WRAT
12%	administer	GED Predictor Tests
12%	administer	SORT
7%	administer	In-house Placement Tests
5%	administer	ABLE
5%	administer	Gates-MacGinitie Reading Survey Test
5%	administer	Stanford Informal Reading Inventory
5%	administer	TABE Locator Test
2%	administer	Computer Management System-Chrysler Corporation
2%	administer	DST Phonics Placement Test
2%	administer	Graded Paragraphs
2%	administer	ITBS
2%	administer	Woodcock Reading Mastery Test

GED Achievement Test Results

Forty-three GED Programs in Illinois were surveyed. The percentages listed below reflect program use of multiple tests for achievement.

40%	administer	TABE
23%	administer	GED Predictor Tests
14%	administer	WRAT
12%	administer	SORT
5%	administer	Gates-MacGinitie Reading Survey Test
5%	administer	Stanford Informal Reading Inventory
2%	administer	ABLE
2%	administer	Computer Management System-Chrysler Corporation
2%	administer	In-house Achievement Tests
2%	administer	ITBS
2%	administer	Woodcock Reading Mastery Test

ESL Placement Tests

BEST - Basic English Skills Test
1. Highland Community College
2. Lawrence Adult Education Center

CELT - Comprehensive English Language Test for Speakers of English as a Second Language
1. Parkland College

ELSA - English Language Skills Assessment
1. College of Lake County
2. Evanston Township High School
3. High School District #214
4. Kishwaukee Community College
5. Lawrence Adult Education Center
6. Morton College - 4 levels
7. Oakton Community College
8. Sauk Valley College
9. Waubonsee Community College

English Alfa Series Placement Test
1. GRASP Adult Learning Center

*EPT - English Proficiency Test Battery:; Ilyin;
STEL - Structure Tests English Language
1. Sterling High School District #5 - EPT
2. Champaign - Ford Counties - Ilyin
3. College of DuPage - Ilyin
4. High School District #214 - Ilyin temporarily
5. Joliet High School District #204 - Ilyin
6. Joliet Junior College - Ilyin
7. Moraine Valley Community College - Ilyin
8. Champaign - Ford Counties - STEL
9. Chicago Board of Education - Jackson Adult Center - STEL
10. Kishwaukee Community College - STEL

*The EPT was the precursor to the STEL. The author's name, Donna Ilyin, is also used to refer to one or both of the tests.

ESLOA - English as a Second Language Oral Assessment

1. Black Hawk Community College
2. Danville Area Community College
3. Elgin School District U-46
4. Evanston Township High School
5. John Wood College
6. Kankakee Community College
7. Kishwaukee Community College
8. McLean/Dewitt County

ESL Oral Production Test from ESL Service Center

1. Highland Community Center

In-House Placement Tests

1. Carl Sandburg College
2. College of DuPage - Cloze Test
3. Elgin Community College
4. Elgin School District U-46
5. High School District #211
6. Prairie State College
7. Rock Valley College
8. St. Clair County Educational Service Region - adapted from New York Placement Test
9. Sterling High School #5
10. William Rainey Harper College - Nonnative Language oral and reading tests

ITBS - Iowa Test of Basic Skills

1. Sauk Valley College

(The) John Test: A Test of Oral Proficiency for ESL Placement

1. Chicago Board of Education - Jackson Adult Center
2. College of DuPage
3. College of Lake County
4. Kishwaukee Community College
5. Waukegan East High School District #60

Nelson-Denny Reading Test

1. Waukegan East High School District #60

NIU: ESL Placement Test - Northern Illinois University ESL Placement Test

1. Highland Community College

Oral Interviews

1. Belleville Area College - variation of DOPT: Delta Oral Placement Test
2. Champaign - Ford Counties
3. College of Lake County
4. Southern Illinois University
5. William Rainey Harper College

Plowski Test- (teacher-made test)

1. Joliet Junior College

SORT - Slossen Oral Reading Test

1. Illinois Valley Community College
2. Joliet Junior College
3. St. Clair County Educational Service Region

Stanford Informal Reading Inventory

1. Chicago Board of Education - Jackson Adult Center

TABE Locator Test - Test of Adult Basic Education Locator Test

1. Lawrence Adult Education Center - if student can read then give ELSA or BEST

Teacher-made Oral Placement Test

1. City Colleges of Chicago
2. John Wood College
3. Moraine Valley Community College
4. Truman College

TOEFL - Test of English as a Foreign Language

1. Parkland College

ESL Achievement Tests

Adult Placement Reading Indicator
1. Waukegan East High School District #60

BEST - Basic English Skills Test
1. Highland Community College
2. Lawrence Adult Education Center

CELT - Comprehensive English Language Test for Speakers of English as a Second Language
1. Parkland College

ELSA - English Language Skills Assessment
1. Evanston Township High School
2. High School District #214
3. Kishwaukee Community College
4. Lawrence Adult Education Center
5. Morton College - 4 levels
6. Oakton Community College
7. Sauk Valley College
8. Waubonsee Community College

English 900 Series
1. Chicago Board of Education - Hilliard Adult Education Center

EPT - English Proficiency Test Battery; Ilyin; STEL - Structure Tests English Language
1. Sterling High School District #5 EPT
2. Champaign - Ford Counties - Ilyin
3. College of DuPage Ilyin
4. High School District #214 - Ilyin
5. Joliet High School District #204 - Ilyin
6. Joliet Junior College - Ilyin
7. Moraine Valley Community College - Ilyin
8. Champaign - Ford Counties - STEL
9. Chicago Board of Education - Jackson Adult Center - STEL
10. Kishwaukee Community College - STEL

In-house Achievement Tests

1. Belleville Area College - reading and writing:
   pre-test administered class - Level I test - 2 forms
   post test administered in class - Level II test - 3 forms
2. College of Lake County - correlated to Side-By-Side Series Test
3. Elgin Community College
4. Elgin School District U-46-grammar based achievement tests - teacher made - also listening comprehension
5. High School District #211
6. Prairie State College
7. Rock Valley College
8. St. Clair Educational Service Region
9. Truman College

ITBS - Iowa Test of Basic Skills

1. Sauk Valley College

Side-By-Side Series Test

1. GRASP Adult Learning Center

SORT - Slossen Oral Reading Test

1. Illinois Valley Community College
2. Joliet Junior College
3. St. Clair County Educational Service Region

Stanford Informal Reading Inventory

1. Chicago Board of Education - Jackson Adult Center

TABE - Test of Adult Basic Education

1. Southern Illinois University

ABE Placement Tests

ABLE - Adult Basic Learning Examination
1. Elgin Community College
2. High School District #214
3. Spoon River College - math

Adult Placement Reading Indicator
1. Waukegan East High School District #60

APL - Adult Performance Level
1. Danville Area Community College

Computer Management System - Chrysler Corporation
1. City Colleges of Chicago

CTBS - California Test of Basic Skills
1. 5 County Regional Cooperative

DST Phonics Placement Test - Decoding Skills Test
1. Highland Community College

Gates-MacGinitie Reading Survey Test
1. Champaign - Ford Counties
2. College of DuPage

In-house Placement Tests
1. Highland Community College
2. Parkland College - English and math
3. Sterling High School District #5 - Informal Reading Inventory
4. William Rainey Harper College - reading and math

Iowa Test of Basic Skills
1. Sauk Valley College

Laubach Placement Test
1. Highland Community College

Monroe-Sherman Test
1. Elgin Community College

SORT - Slossen Oral Reading Test

1. Black Hawk College
2. Carl Sandburg College
3. Champaign-Ford Counties
4. Evanston Township High School - if students test out fifth grade level then TABE is administered
5. 5 County Regional Cooperative
6. Highland Community College
7. Kankakee Community College
8. Prairie State College
9. Spoon River College
10. St. Clair County Educational Service Region - used to screen everyone; if above 2.0 then TABE - Level E is administered; if 4.0 - 4.5 then TABE - Level M is administered

Stanford Informal Reading Inventory

1. Chicago Board of Education-Jackson and Hilliard Adult Education Centers
2. Sterling High School District #5

TABE - Test of Adult Basic Education

1. Belleview Area College
2. Black Hawk College
3. City Colleges of Chicago
4. College of Lake County
5. Elgin Community College
6. Elgin School District U-46
7. Evanston Township High School
8. GRASP Adult Learning Center
9. Highland Community College
10. Illinois Valley Community College
11. John A. Logan College
12. John Wood College
13. Joliet High School District #204
14. Joliet Junior College
15. Kishwaukee Community College
16. McLean/Dewitt County
17. Moraine Valley Community College
18. Morton College
19. Oakton Community College
20. Prairie State College
21. Rend Lake College
22. Rock Valley College
23. Southern Illinois University
24. St. Clair County Educational Service Region - if students score 2.0 on SORT, then Level E is adminitered; if students score 4.0 - 4.5 on SORT, then Level M is administered
25. Truman College
26. Waubonsee Community College

TABE Locator Test - Test of Adult Basic Education Locator Test

1. Champaign-Ford Counties
2. John Wood College
3. Kishwaukee Community College
4. Lawrence Adult Education Center
5. Rend Lake College

Woodstock Reading Mastery Test

1. Kankakee Community College

WRAT - Wide Range Achievement Test

1. Carl Sandburg College
2. Champaign-Ford Counties
3. 5 County Regional Cooperative
4. Lake Land College
5. Southern Illinois University
6. Sterling High School District #5

ABE Achievement Tests

ABLE - Adult Basic Learning Examination
1. Elgin Community College
2. High School District #214
3. Spoon River College

Computer Management System - Chrysler Corporation
1. City Colleges of Chicago

CTBS - California Test of Basic Skills
1. 5 County Regional Cooperative

Gates-MacGinitie Reading Survey Test
1. Champaign-Ford Counties
2. College of DuPage

Graded Paragraphs
1. Highland Community College

In-house Achievement Tests
1. Highland Community College
2. Oakton Community College
3. Parkland College

ITBS - Iowa Test of Basic Skills
1. Sauk Valley College

Monroe-Sherman Test
1. Elgin Community College

Nelson-Denny Reading Test
1. Waukegan East High School District #60

SORT - Slossen Oral Reading Test
1. Black Hawk College
2. Carl Sandberg College
3. Champaign-Ford Counties
4. 5 County Regional Cooperative
5. Highland Community College
6. Kankakee Community College
7. Prairie State College
8. Spoon River College

Stanford Informal Reading Inventory
1. Chicago Board of Education-Jackson and Hilliard Adult Education Centers
2. Sterling High School District #5

TABE - Test of Adult Basic Education

1. Belleville Area College
2. Black Hawk College
3. City College of Chicago
4. College of Lake County
5. Elgin Community College
6. Elgin School District U-46
7. Evanston Township High School
8. GRASP Adult Learning Center
9. Illinois Valley Community College
10. John A. Logan College
11. John Wood College
12. Joliet High School District #204
13. Joliet Junior College
14. Kishwaukee Community College
15. McLean/Dewitt County
16. Moraine Valley Community College
17. Morton College
18. Oakton Community College
19. Prairie State College
20. Rend Lake College
21. Rock Valley College
22. Southern Illinois University
23. St. Clair Educational Service Region
24. Truman College
25. Waubonsee Community College
26. William Rainey Harper College

Woodcock Reading Mastery Test

1. Kankakee Community College

WRAT - Wide Range Achievement Test

1. Carl Sandburg College
2. Champaign-Ford Counties
3. 5 County Regional Cooperative
4. Lake Land College
5. Southern Illinois University
6. Sterling High School District #5

GED Placement Tests

ABLE - Adult Basic Learning Examination
1. Elgin Community College
2. Spoon River College

Computer Management System - Chrysler Corporation
1. City Colleges of Chicago

DST Phonics Placement Test - Decoding Skills Test
1. Highland Community Center

Gates-MacGinitie Reading Survey Test
1. College of DuPage
2. High School District #214

GED Predictor Tests
1. Evanston Township High School
2. High School District #211
3. Illinois Valley Community College
4. John Wood College
5. Morton College

Graded Paragraphs
1. Highland Community College

In-house Placement Tests
1. Highland Community College
2. Parkland College
3. William Rainey Harper College

ITBS - Iowa Test of Basic Skills
1. Sauk Valley College

SORT - Slossen Oral Reading Test
1. Carl Sandburg College
2. Champaign-Ford Counties
3. 5 County Regional Cooperative
4. Kankakee Community College
5. Spoon River College

Stanford Informal Reading Inventory
1. Chicago Board of Education - Jackson and Hilliard Adult Education Centers
2. Sterling High School District #5

TABE - Test of Adult Basic Education

1. Belleville Area College
2. Black Hawk College
3. City Colleges of Chicago
4. College of Lake County
5. Elgin School District U-46
6. Evanston Township High School
7. GRASP Adult Learning Center
8. Highland Community College
9. John A. Logan College
10. Joliet High School District #204
11. Joliet Junior College
12. Kishwaukee Community College
13. McLean/Dewitt County
14. Moraine Valley Community College
15. Oakton Community College
16. Prairie State College
17. Rock Valley College
18. Southern Illinois University
19. St. Clair County Educational Service Region
20. Truman College
21. Waubonsee Community College

TABE Locator Test - Test of Adult Basic Education Locator Test

1. Champaign-Ford Counties
2. Kishwaukee Community College

Woodcock Reading Mastery Test

1. Kankakee Community College

WRAT - Wide Range Achievement Test

1. Carl Sandburg College
2. Danville Area Community College
3. 5 County Regional Cooperative
4. Lake Land College
5. Southern Illinois University
6. Sterling High School District #5

GED Achievement Tests

ABLE - Adult Basic Learning Examination
1. Spoon River College

Computer Management System - Chrysler Corporation
1. City Colleges of Chicago

Gates-MacGinitie Reading Survey Test
1. College of DuPage
2. High School District #214

GED Predictor Tests
1. Elgin Community College
2. Evanston Township High School
3. High School District #211
4. Illinois Valley Community College
5. John Wood College
6. Morton College
7. Oakton Community College
8. Prairie State College
9. Truman College
10. William Rainey Harper College

In-house Achievement Tests
1. Parkland College

ITBS - Iowa Test of Basic Skills
1. Sauk Valley College

SORT - Slossen Oral Reading Test
1. Carl Sandburg College
2. Champaign-Ford Counties
3. 5 County Regional Cooperative
4. Kankakee Community College
5. Spoon River College

Stanford Informal Reading Inventory
1. Chicago Board of Education - Jackson and Hilliard Adult Education Centers
2. Sterling High School District #5

TABE - Tests of Adult Basic Education
1. Belleville Area College
2. Black Hawk College
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5. Elgin School District U-46
6. GRASP Adult Learning Center
7. Highland Community College
8. John A. Logan College
9. Joliet High School District #204

10. Joliet Junior College
11. Kishwaukee Community College
12. McLean/Dewitt County
13. Moraine Valley Community College
14. Rock Valley College
15. Southern Illinois University reading
16. St. Clair Educational Service Region
17. Waubonsee Community College

Woodcock Reading Mastery Test

1. Kankakee Community College

WRAT - Wide Range Achievement Test

1. Carl Sandburg College
2. Danville Area Community College
3. 5 County Regional Cooperative
4. Lake Land College
5. Southern Illinois University
6. Sterling High School District #5

APPENDIX II

ESL Reading Test Selection Criteria

1. Uses a familiar (culturally appropriate) format: relatively non-threatening
2. Reports scores in understandable terms
3. Has various levels (beginning, intermediate...) with scores that can be extrapolated to apply to more than one level
4. Reflects current view of reading, and testing (e.g. integrative vs. discrete point)
5. Has been normed on appropriate population
6. Presents scores which are consistent with program and/or funding agency goals and requirements (e.g. grade level equivalents)
7. Provides results which are meaningful to the program, teachers, and students
8. Has easy to follow administration procedures for teacher or test administrator
9. Addresses the best combination of skills for second language learners (ESL) students, (e.g., reading or writing or listening and speaking) or is reportable in general terms (as grade level equivalents)
10. Requires 30-45 minutes maximum test time for ESL students
11. Is normed on equivalent populations (e.g., academic ESL; adult ESL)

ABE-GED Test Selection Criteria

1. Adult oriented
2. Nationally normed
3. Reports scores in grade level equivalencies
4. Tests reading comprehension not word calling ability
5. Used frequently
6. Easy to administer
7. Easy to score
8. Cost is reasonable
9. Has levels (covers broad range of ability)
10. Has adequate number of test items
11. Item analysis available, although not a priority

APPENDIX III

William Rainey Harper College
Federal 353 Project
Fiscal Year 1989

TEST PROFILES

	TEPL	ELSA	ABLE	TABE
cost	$49.95	Not available at this time	see attached price list	see attached price list
available in different forms	No	BC, BN, IC, IN, AN	E, F	5, 6
available in different forms	No	Yes	1, 2, 3	E, M, D, A
easy to administer	Yes	Yes	Yes	Yes
locator test available	No	No	Yes	Yes
written for adults	No, but can be be used for adults	Yes	Yes	Yes
tested on adults	Yes	Yes	Yes	Yes
standarized on adults	No	Yes	Yes	Yes
self-administered	Yes	Yes	Yes	Yes
consumable	No	No	Level 1 - Yes Levels 2 & 3-No	No
limited access	No	No	Yes	Yes
ready score answer sheets	No	No	Yes	Yes
hand scorable answer sheets	Yes	Yes	Yes	Yes
computer scoring available	No	No	Yes	Yes
identifies strengths and weaknesses	No	No	Yes	Yes
linked to Instructional Materials	Yes	No	Yes	Yes
publication date	1985	1982 ?	1986	1987
total # of test items	N/A	25 ea test	72 / 80 / 80	70
selected components may be used separately	Yes	No	Yes	Yes
# vocabulary items	X	X	32 / 32 / 32	30
# reading comprehension items	58	25	40 / 48 / 48	40
total test time	N/A	30 minutes	approximate time in minutes for planning purposes: 50 / 55 / 55	57
vocabulary time	X	X	20 / 20 / 20	19
reading time	approx. 30-40 mins.	N/A	30 / 35 / 35	38
vocabulary format	X	X	Level 1-dictated Levels 2 & 3 - multiple choice	multiple choice
reading format	cloze	cloze	Level 1 - non-dictated, multiple choice, cloze Levels 2 & 3 - multiple choice	multiple choice
Non-threatening format user friendly test design	could be intimidating	Yes	Very	could be intimidatin
use of white space	adequate	adequate	adequate	adequate
graphics	none	none	Level 1-numerous Level 2-several Level 3-limited all clear & concise large, readable	limited usage, clear & concise
size of print	large, readable	large, readable	large, readable	readable
grade level equivalents	No, but 7 instructional levels are defined	No	Level I (1-4) Level II (5-8) Level III 9-12+	E 2.6 - 4. M 4.6 - 6. D 6.6 - 8. A 8.6 -12.

APPENDIX IV

NEWBURY HOUSE PUBLISHERS
A division of Harper & Row, Publishers, Inc.
10 East 53rd Street, New York, New York 10022-5299
Phone: (212) 207-7000 Cable: Harpsam

Writer's direct line: 212-207- 7336

September 6, 1988

Mr. Dennis Terdy
Project Director
Collection Access for Language & Literacy Project
Illinois ESL Adult Education Service Center
Northwest Educational Cooperative
1855 Mt. Prospect Road
Des Plaines, IL 60018

Dear Mr. Terdy:

Thank you for your letter of May 10th and your recent phone calls regarding the current status of the ELSA Test.

I appreciate your concern regarding its continued availability and am presently investigating more cost effective means of producing the test in order to keep it in print. At the present time, it is not in stock in substantial numbers and a publishing decision will have to be made fairly soon.

In the interim, should you require specific components of the test for limited distribution, we will make every effort to accommodate you.

Thank you for your continued interest in Newbury House Publishers. I hope to have a decision for you by the end of September.

Sincerely yours,

Laurie Likoff

Laurie Likoff
Director

LL/cdn
cc: M. Russell

Northwest Educational Cooperative
1855 Mt. Prospect Road
Des Plaines, IL 60018

October 31, 1988

Ms. Laurie Likoff
Newbury House Publishers
10 E. 53rd St.
New York, New York 10022

Dear Ms. Likoff:

As instructed by Ms. Marianne Russel and yourself, I am writing this letter to request permission to duplicate the English Language Skills Assessment Test (ELSA).

As I explained earlier, we are assisting William Rainey Harper College in a special 353 grant with the Illinois State Board of Education. The goal of this project is to determine whether or not a correlation exists between commonly recommended and used Adult Basic Education tests and commonly used and recommended Adult ESL tests.

For our pilot study, we anticipate needing no more than 150 copies of each level of the test. This total includes the Narrative and Conversation forms. The testing will take place at sites representing the general makeup of Illinois Adult (Basic) Education programs.

We need this decision by November 15, 1988 in order to meet the proposed project's timelines.

The results of this study will be made available to you when it concludes in June.

Thank you.

Sincerely,

Dennis Terdy, Project Director
Adult Education Service Center of Northern Illinois

:eg

cc. Marianne Russel

William Rainey Harper College
353 Project
Reading Correlation Studies

NEWBURY HOUSE PUBLISHERS

A division of Harper & Row, Publishers, Inc.
10 East 53rd Street, New York, New York 10022-5299
Phone: (212) 207-7000 Cable: Harpsam

Writer's direct line: 212-207-

November 23, 1988

Mr. Dennis Terdy: Project Director
Adult Education Service Center of Northern Illinois
Northwest Educational Cooperative
1875 Mt. Prospect Road
Des Plaines, IL 60018

Dear Mr. Terdy:

Thank you for your letter of October 31st requesting permission to duplicate the English Language Skills Assessment Test (ELSA), for use in a pilot study at William Rainey Harper College.

I understand that the tests will be used solely for the purpose of determining whether or not a correlation exists between commonly used ABE tests and commonly used ESL tests. Permission is granted provided that the materials will not be resold or used in any commercial manner. Copyright should be identified as © Newbury House Publishers, a division of Harper & Row.

We are looking forward to the results of this study and thank you for offering to share them with us. [redacted]

[redacted]

Sincerely yours,

Laurie Likoff

Laurie Likoff
Director

LL/ag
cc: M. Russell

Sincere apologies for the delay. The letter was sent back to us for a correct address.

Cambridge • Philadelphia • San Francisco • St. Louis •

TOEIC TEST OF ENGLISH FOR INTERNATIONAL COMMUNICATION

TOEIC Program Office
Educational Testing Service
Princeton, New Jersey 08541
USA

December 7, 1988

Ms. Elizabeth Watson-Minicz
William Rainey Harper College
1200 West Algonquin Road
Palatine, IL 60067-7398

Dear Ms. Watson-Minicz:

Mr. Steven Stupak mentioned that he had spoken with you recently and asked me to sent you a copy of the Test of English for Proficiency Advancement (TOEPA). TOEPA is conceived as being a lower level TOEIC--a test of passive skills correlating to actual performance. The situations found in TOEPA are less specific to the business world than those in TOEIC. Like TOEIC, TOEPA employs international English.

Enclosed is a copy of TOEPA, an answer sheet, a tape script, and the proficiency descriptors against which TOEPA is being validated. You will notice that TOEPA has listening and reading items similar to TOEIC. However, unlike TOEIC, TOEPA has a third section located on the answer sheet called Cloze Elide. The idea in a cloze elide passage is to edit the words that do not belong to the passage. The cloze elide section is experimental and is appended to TOEPA in order to gather data with which to evaluate the item type.

Please understand that because TOEPA is still being field-tested, we currently cannot make any representations as to its reliability or validity. However, we anticipate our pre-testing studies to be completed in the near future and I will be happy to keep you apprised as to their results. In the meantime, because this material is secure, I would appreciate your returning it when you have finished reviewing it. I have enclosed a postage-paid envelope for this purpose.

If you have any questions or comments, please feel free to contact either Mr. Stupak or me. We would be happy to cooperate with you in any way that we can and are interested in your professional views.

Sincerely,

M.P. Sindlinger

Matthew P. Sindlinger
Associate Director, TOEIC
International Office

enclosures

Phone: 609-734-5000 Telex: 84-3420 EDUTESTSV PRIN Fax: 609-734-5410

THE PSYCHOLOGICAL CORPORATION

7555 CALDWELL AVE., CHICAGO, ILLINOIS 60648
TELEPHONE: (312) 631-3403 TELEX: 206147 FAX: (312) 647-9424

November 16, 1988

Ms. Elizabeth Ninicz
Adult Education Development Dept.
Bldg. F, Room 345
Harper Community College
1200 W. Algonquin Road
Palatine, IL 60067-7398

Dear Ms. Minicz:

Thank you for your interest in The Psychological Corporation's tests and services.

Glen Gullikson asked me to send you the enclosed materials. I hope that they will be helpful in your review.

If you need further information, please do not hesitate to contact me at the Midwestern Regional Office at 1-800-237-2665. Again, thank you for your interest.

Sincerely,

Shelly Schwitters

Shelly Schwitters
Sales Correspondent

Teresa Porter

cc: GGullikson

APPENDIX V

Cooperating ESL Program Personnel

College of Lake County:

Adena Staben, ESL Coordinator and Instructor
Robin Steinberg, Instructor
Grace Brown, Instructor
Eva Korellis, Instructor
Karen Tipton, Instructor

Elgin Community College:

Scott Ebaugh, Adult Education Director
Pat Carlson, Instructor
Sherry Farnsworth, Instructor
Joan Garrett, Instructor
Jane Mooberry, Instructor
Evelyn Ryza, Instructor

Oakton Community College:

Linda Davis, ESL Coordinator
Margaret Davis, Instructor
Michelle Cohen, Instructor
Valentina Halliday, Instructor
Pamela Karnatz, Instructor
Rosemary Palicki, Instructor
Jacki Reiner, Instructor
Barbara Isaacson, Instructor
Shirley Roskin, Instructor

William Rainey Harper College:

Victoria Hathaway, AED Supervisor/Nonnative Literacy
Barb Dreymann, Instructor
Rob Alexander, Instructor
Judit' Oswald, Instructor

Township High School District 214:

Barbara Ziliak, ESL Coordinator
Linda Dunham, Instructor
Marilyn Danegger, Instructor
Cindy Caravello, Instructor
Kimberly Williams, Instructor
Ellen Marx, Instructor
Inge Naumann, Instructor

APPENDIX VI

William Rainey Harper College
Algonquin and Roselle Roads - AED F345
Palatine, Illinois 60067
312-397-3000

November 23, 1988

Dear

William Rainey Harper College was awarded a Special 353 Project (formerly 310) to conduct correlation studies of ESL and native speaker reading tests. Your supervisor has expressed interest in having ESL students at your college participate in the field testing and has forwarded your name to me. I would like to invite you to attend a training/orientation session on Wednesday, December 14, 1988 at Harper College in F-345 (see enclosed map) from 6:30 to 8:30 p.m. You will receive a stipend of $65.00 for attending this session and administering two tests at the beginning of your school's spring semester (January 1989). Use the enclosed envelope to mail your RSVP to me or call 397-3000 extension 2223.

I believe the results of the correlation studies will be of interest to all adult ESL teachers in Illinois and encourage you to become part of this much needed project. If you have any questions, do not hesitate to call.

Sincerely,

Elizabeth Minicz

Elizabeth Minicz
Supervisor/Literacy--GED

Enc.

ja

William Rainey Harper College
353 Project
Reading Correlation Studies

TO: Adult ESL Instructors

FROM: Elizabeth Minicz

RE: Participation in 353 Project

DATE: April 13, 1989

William Rainey Harper College was awarded a 353 Project to conduct correlation studies of ESL and native speaker reading tests. The Illinois ESL Adult Education Service Center has been cooperating with Harper College on this project, and your assistance is needed to complete it. I have permission from your supervisor to request your participation.

Essentially, I would like you to administer two tests to your ESL students; one is an ESL reading test and the other a native speaker reading test. The tests would be given over a two week period, one each week. Neither of the tests takes longer than one hour to complete, and the scores will be made available to you and your students. The teachers who participate in this testing project will receive a stipend of $65.00 for attending the training session and administering the tests.

The training will take place on Monday, April 24, 1989 from 1:00-3:00 or 6:00-8:00pm or Tuesday, April 25, 1989 from 6:00-8:00pm. You need attend only one session. Please telephone your response to me at 803-3535 ext.338. The training location is the Northwest Educational Cooperative, 1855 Mt. Prospect Rd., Des Plaines, Illinois 60018. A map is attached.

I believe the results of the correlation studies will be of interest to all adult ESL teachers in Illinois, and I encourage you to become a part of this important project.

Thank you for your cooperation. Don't hesitate to call me if you have any questions.

ESL - Reading Test
Correlation Study

December 14, 1988
6:30 - 8:30 p.m.
F-345
Harper College

_____
Name

_____

_____
Address

_____
Phone Number

_____
Best Time To Reach Me

☐ Yes, I will attend the training/orientation session.

☐ No. I am not available at this time.

☐ Maybe, but I need more information.

RSVP to Elizabeth Minicz by Monday, December 12, 1988.

APPENDIX VII

College _____

Teacher _____

Date _____

William Rainey Harper College
353 Project
Reading Correlation Studies

STUDENT IDENTIFICATION FORM
353 Project

Name: _____

Age: _____

Sex: (check one) _____ Male

_____ Female

Country of Origin: _____

Number of years of schooling completed in native country: _____

Length of time in United States: _____

Do Not Write Below This Line

Name: _____ Teacher: _____

Test Scores:

TEPL: _____ TABE-E: _____

TABE-M: _____

ELSA-BN: _____

ELSA-IN: _____ ABLE 1: _____

ABLE 2: _____

APPENDIX VIII

83

Code	Age	Sex	Country	Sch	USA	Tepl	ElseB	Elsel	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
1	18	M	MEXICO	9	3	--	12	--	11	20	--	--	--	--	--	--
2	34	M	MEXICO	1	10	--	15	--	17	13	--	--	--	--	--	--
3	--	M	MEXICO	6	4	--	4	--	3	8	--	--	--	--	--	--
4	20	F	MEXICO	12	3	--	20	--	17	25	--	--	--	--	--	--
5	30	M	MEXICO	14	--	--	15	--	8	10	--	--	--	--	--	--
6	21	M	MEXICO	7	4	--	11	--	8	6	--	--	--	--	--	--
7	10	M	MEXICO	6	10	--	15	--	9	14	--	--	--	--	--	--
8	18	F	MEXICO	10	1	--	19	--	18	19	--	--	--	--	--	--
9	29	M	MEXICO	6	3	--	13	--	9	10	--	--	--	--	--	--
10	21	M	MEXICO	9	1	--	9	--	9	8	--	--	--	--	--	--
11	23	M	MEXICO	12	1	--	14	--	14	14	--	--	--	--	--	--
12	23	M	MEXICO	6	5	--	9	--	9	6	--	--	--	--	--	--
13	34	M	MEXICO	6	10	--	12	--	10	12	--	--	--	--	--	--
14	29	M	MEXICO	7	7	--	5	--	6	11	--	--	--	--	--	--
15	--	M	MEXICO	6	1	--	10	--	14	50	--	--	--	--	--	--
16	19	M	MEXICO	9	1	--	10	--	16	6	--	--	--	--	--	--
17	24	M	PUERTO RICO	12	1	--	9	--	--	--	--	--	--	--	--	--
18	23	F	MEXICO	9	--	--	9	--	--	--	--	--	--	--	--	--
19	24	M	MEXICO	9	--	--	12	--	--	--	--	--	--	--	--	--
20	22	F	KOREA	12	1	--	11	--	--	--	--	--	--	--	--	--
21	20	F	KOREA	12	1	--	13	--	--	--	--	--	--	--	--	--
22	41	M	LAOS	9	1	--	5	--	--	--	--	--	--	--	--	--
23	31	M	MEXICO	8	4	--	21	--	--	--	--	--	--	--	--	--
24	29	M	MEXICO	7	12	--	6	--	--	--	--	--	--	--	--	--
25	33	M	MEXICO	6	5	--	8	--	9	8	--	--	--	--	--	--
26	32	M	MEXICO	8	15	--	19	--	16	30	--	--	--	--	--	--
27	28	F	YUGOSLAVIA	8	6	--	13	--	13	22	--	--	--	--	--	--
28	41	F	MEXICO	11	21	--	14	--	23	36	--	--	--	--	--	--
29	26	M	MEXICO	6	11	--	20	--	19	12	--	--	--	--	--	--
30	22	F	MEXICO	9	8	--	19	--	18	26	--	--	--	--	--	--
31	28	M	MEXICO	9	23	--	20	--	17	17	--	--	--	--	--	--
32	24	M	MEXICO	10	5	--	16	--	17	34	--	--	--	--	--	--
33	31	F	MEXICO	13	8	--	19	--	18	11	--	--	--	--	--	--
34	42	F	MEXICO	6	19	--	7	--	6	15	--	--	--	--	--	--
35	33	M	MEXICO	6	10	--	12	--	14	24	--	--	--	--	--	--
36	26	F	GUATEMALA	12	4	--	7	--	14	6	--	--	--	--	--	--
37	30	F	JAPAN	12	--	--	23	--	17	25	--	--	--	--	--	--
38	21	M	PAKISTAN	4	--	--	19	--	7	8	--	--	--	--	--	--
39	22	M	MEXICO	12	--	--	17	--	14	15	--	--	--	--	--	--
40	28	F	MEXICO	6	14	--	21	--	17	30	--	--	--	--	--	--
41	19	M	MEXICO	9	1	--	21	--	--	--	--	--	--	--	--	--
42	24	M	MEXICO	10	8	--	18	--	--	--	--	--	--	--	--	--

--COMPLETE SAMPLE--

Code	Age	Sex	Country	Sch	USA	Tepi	ElseB	Elesi	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
43	22	M	MEXICO	13	2	--	23	--	--	--	--	--	--	--	--	--
44	28	M	MEXICO	6	6	--	8	--	--	--	--	--	--	--	--	--
45	30	M	MEXICO	2	1	--	13	--	--	--	--	--	--	--	--	--
46	26	M	MEXICO	3	5	--	11	--	--	--	--	--	--	--	--	--
47	24	F	VIETNAM	12	1	--	13	--	--	--	--	--	--	--	--	--
48	41	F	POLAND	11	23	--	12	--	--	--	--	--	--	--	--	--
49	27	M	MEXICO	13	10	--	--	--	16	26	--	--	--	--	--	--
50	31	F	MEXICO	5	6	--	--	--	15	19	--	--	--	--	--	--
51	31	M	PAKISTAN	14	--	--	--	--	22	21	--	--	--	--	--	--
52	37	M	MEXICO	4	15	--	--	--	12	15	--	--	--	--	--	--
53	30	F	MEXICO	12	10	--	--	24	18	3	--	--	--	--	--	--
54	26	F	MEXICO	0	10	--	--	21	14	9	--	--	--	--	--	--
55	26	M	MEXICO	5	10	--	--	17	12	11	--	--	--	--	--	--
56	31	F	MEXICO	5	11	--	--	20	15	7	--	--	--	--	--	--
57	18	F	MEXICO	11	3	--	--	24	13	13	--	--	--	--	--	--
58	34	M	MEXICO	9	12	--	--	15	16	--	--	--	--	--	--	--
59	20	M	MEXICO	7	8	--	--	21	16	14	--	--	--	--	--	--
60	33	F	MEXICO	2	12	--	--	13	11	4	--	--	--	--	--	--
61	24	M	MEXICO	7	5	--	--	7	11	7	--	--	--	--	--	--
62	40	F	MEXICO	17	10	--	--	--	11	20	--	--	--	--	--	--
63	39	F	MEXICO	6	26	--	--	14	13	11	--	--	--	--	--	--
64	34	M	MEXICO	6	15	--	--	23	17	17	--	--	--	--	--	--
65	27	M	MEXICO	13	4	--	--	7	--	12	--	--	--	--	--	--
66	29	F	COLOMBIA	12	9	--	--	24	13	10	--	--	--	--	--	--
67	23	M	MEXICO	12	3	--	--	22	16	13	--	--	--	--	--	--
68	50	M	MEXICO	5	10	--	--	5	13	8	--	--	--	--	--	--
69	21	F	LAOS	3	6	--	17	--	--	16	--	--	--	--	--	--
70	29	F	GUATEMALA	16	1	--	--	9	--	14	--	--	--	--	--	--
71	39	M	MEXICO	6	12	--	--	16	18	13	--	--	--	--	--	--
72	24	F	MEXICO	12	4	--	--	10	--	9	--	--	--	--	--	--
73	39	F	MEXICO	6	14	--	--	7	--	4	--	--	--	--	--	--
75	26	M	MEXICO	6	9	--	20	--	16	32	--	--	--	--	--	--
76	31	M	MEXICO	18	1	--	19	--	15	33	--	--	--	--	--	--
77	25	M	MEXICO	12	6	--	16	--	11	20	--	--	--	--	--	--
78	30	F	MEXICO	8	14	--	14	--	14	29	--	--	--	--	--	--
79	27	M	MEXICO	14	7	--	15	--	10	17	--	--	--	--	--	--
80	3	F	MEXICO	6	10	--	21	--	19	27	--	--	--	--	--	--
81	38	F	PUERTO RIC	12	15	--	16	--	19	29	--	--	--	--	--	--
82	26	F	MEXICO	6	8	--	14	--	14	8	--	--	--	--	--	--
83	28	M	MEXICO	6	11	--	22	--	16	34	--	--	--	--	--	--
84	21	M	ELSALVADOR	6	2	--	13	--	13	10	--	--	--	--	--	--
85	--	M	MEXICO	12	6	--	17	--	19	8	--	--	--	--	--	--

--COMPLETE SAMPLE--

Code	Age	Sex	Country	Sch	USA	Tepl	ElsaB	Elsal	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
86	32	F	MEXICO	9	13	--	11	--	11	11	--	--	--	--	--	--
87	35	F	MEXICO	--	19	--	21	--	20	23	--	--	--	--	--	--
88	23	M	THAILAND	12	1	--	21	--	23	32	--	--	--	--	--	--
89	30	M	MEXICO	8	15	--	20	--	22	22	--	--	--	--	--	--
90	19	M	MEXICO	6	1	--	17	--	--	--	--	--	--	--	--	--
91	20	M	MEXICO	7	6	--	22	--	--	--	--	--	--	--	--	--
92	30	F	BRAZIL	12	1	--	15	--	--	--	--	--	--	--	--	--
93	32	M	LAOS	5	8	--	10	--	--	--	--	--	--	--	--	--
94	17	M	IRAN	10	12	--	--	--	11	14	--	--	--	--	--	--
95	24	F	MEXICO	9	2	--	--	--	23	32	--	--	--	--	--	--
96	25	M	ELSALVADOR	9	7	--	--	--	16	22	--	--	--	--	--	--
97	22	M	MEXICO	14	1	--	24	--	--	--	--	--	--	--	--	--
98	24	F	MEXICO	12	1	--	11	--	9	--	--	--	--	--	--	--
99	36	F		4	15	--	10	--	10	--	--	--	--	--	--	--
100	52	F	MEXICO	6	8	--	7	--	8	--	--	--	--	--	--	--
101	34	M	MEXICO	8	15	--	6	--	10	--	--	--	--	--	--	--
102	30	M	MEXICO	7	5	--	5	--	1	--	--	.	--	--	--	--
103	25	M	MEXICO	6	7	--	8	--	14	--	--		--	--	--	--
104	33	F	MEXICO	6	13	--	15	--	14	--	--	--	--	--	--	--
105	27	F	MEXICO	2	7	--	3	--	2	--	--	--	--	--	--	--
106	42	M	MEXICO	14	5	--	10	--	13	--	--	--	--	--	--	--
107	20	M	MEXICO	8	8	--	5	--	8	--	--	--	--	--	--	--
108	27	M	MEXICO	8	1	--	7	--	9	--	--	--	--	--	--	--
109	25	F	MEXICO	10	1	--	8	--	9	--	--	--	--	--	--	--
110	51	F	MEXICO	15	2	--	12	--	7	--	--	--	--	--	--	--
111	17	M	MEXICO	6	4	--	8	--	8	--	--	--	--	--	--	--
112	34	M	MEXICO	10	4	--	16	--	15	--	--	--	--	--	--	--
113	28	F	MEXICO	9	3	--	16	--	14	--	--	--	--	--	--	--
114	19	M	MEXICO	9	2	--	6	--	10	--	--	--	--	--	--	--
115	24	M	MEXICO	9	4	--	12	--	9	--	--	--	--	--	--	--
116	45	M	MEXICO	4	11	--	4	--	13	--	--	--	--	--	--	--
117	23	F	MEXICO	5	8	--	13	--	12	--	--	--	--	--	--	--
118	19	M	MEXICO	12	4	--	7	--	8	--	--	--	--	--	--	--
119	35	M	MEXICO	5	14	--	6	--	11	--	--	--	--	--	--	--
120	37	F	MEXICO	9	9	-	6	--	2	--	--	--	--	--	--	--
121	45	M	MEXICO	6	5	--	7	--	5	--	--	--	--	--	--	--
122	43	M	MEXICO	6	9	--	3	--	11	--	--	--	--	--	--	--
123	23	F	MEXICO	11	4	--	19	--	14	--	--	--	--	--	--	--
124	23	M	MEXICO	9	4	--	9	--	14	--	--	--		--	--	--
125	31	F	MEXICO	7	6	--	7	--	6	--	--	--	--	--	--	--
126	43	M	MEXICO	3	14	--	2	--	2	--	--	--	--	--	--	--
127	29	M	MEXICO	3	9	--	4	--	12	--	--	--	--	--	--	--

--COMPLETE SAMPLE--

Code	Age	Sex	Country	Sch	USA	Tepi	ElseB	Elesl	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
128	19	M	VIETNAM	3	--	--	2	--	4	--	--	--	--	--	--	--
129	37	F	MEXICO	3	12	--	6	--	10	--	--	--	--	--	--	--
130	35	F	MEXICO	4	14	--	13	--	13	--	--	--	--	--	--	--
131	22	M	MEXICO	10	3	--	5	--	12	--	--	--	--	--	--	--
132	57	F		6	9	--	5	--	7	--	--	--	--	--	--	--
133	18	M	MEXICO	2	1	--	6	--	7	--	--	--	--	--	--	--
134	43	M	MEXICO	--	8	--	3	--	1	--	--	--	--	--	--	--
135	--	F		--	--	--	4	--	--	--	--	--	--	--	--	--
136	--	F		--	--	--	8	--	--	--	--	--	--	--	--	--
137	30	M	MEXICO	6	13	--	--	--	--	--	--	--	--	--	--	--
138	--	M		--	--	--	4	--	11	--	--	--	--	--	--	--
139	33	F	MEXICO	6	3	--	--	--	14	--	--	--	--	--	--	--
140	--	M		--	--	--	--	--	4	--	--	--	--	--	--	--
141	58	M	MEXICO	3	6	--	2	--	2	--	--	--	--	--	--	--
142	21	M	MEXICO	9	6	--	10	--	10	--	--	--	--	--	--	--
143	18	M	MEXICO	8	2	--	7	--	10	--	--	--	--	--	--	--
144	20	F	GUATEMALA	--	2	--	7	--	5	--	--	--	--	--	--	--
145	17	M	MEXICO	9	1	--	5	--	4	--	--	--	--	--	--	--
146	27	M	MEXICO	9	4	--	4	--	13	--	--	--	--	--	--	--
147	36	M	MEXICO	6	12	--	7	--	8	--	--	--	--	--	--	--
148	--	M	MEXICO	6	6	--	4	--	9	--	--	--	--	--	--	--
149	21	M	MEXICO	10	3	--	7	--	8	--	--	--	--	--	--	--
150	40	M	MEXICO	2	8	--	2	--	8	--	--	--	--	--	--	--
151	22	M	MEXICO	6	1	--	6	--	6	--	--	--	--	--	--	--
152	27	M	MEXICO	4	8	--	8	--	9	--	--	--	--	--	--	--
153	35	F	MEXICO	4	14	--	3	--	3	--	--	--	--	--	--	--
154	40	M	MEXICO	6	18	--	6	--	7	--	--	--	--	--	--	--
155	39	F		6	16	--	2	--	7	--	--	--	--	--	--	--
156	53	M	MEXICO	2	10	--	1	--	6	--	--	--	--	--	--	--
157	35	M	MEXICO	5	10	.	9	--	14	--	--	--	--	--	--	--
158	33	F	MEXICO	6	8	--	9	--	14	--	--	--	--	--	--	--
159	39	M	EXICO	3	2	--	4	--	4	--	--	--	--	--	--	--
160	38	M	ECUOLOR	9	9	--	7	--	10	--	--	--	--	--	--	--
161	31	M	MEXICO	6	8	--	7	--	12	--	--	--	--	--	--	--
162	28	F	MEXICO	6	9	--	8	--	7	--	--	--	--	--	--	--
163	28	F	MEXICO	6	8	--	--	--	8	--	--	--	--	--	--	--
164	30	M	MEXICO	12	11	--	--	--	15	--	--	--	--	--	--	--
165	27	M	MEXICO	10	1	--	--	--	17	--	--	--	--	--	--	--
166	--	F		--	--	--	6	--	--	--	--	--	--	--	--	--
167	20			--	--	--	2	--	--	--	--	--	--	--	--	--
168	36	M		--	--	--	3	--	--	--	--	--	--	--	--	--
169	20	F	MEXICO	5	10	30	--	--	--	--	--	--	--	--	17	21

--COMPLETE SAMPLE--

Code	Age	Sex	Country	Sch	USA	Tepi	ElsaB	Elsal	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
170	35	M	MEXICO	12	15	43	--	--	--	--	--	--	--	--	22	41
171	23	F	MEXICO	9	8	40	--	--	--	--	--	--	--	--	20	19
172	32	F	U.S.	7	32	45	--	--	--	--	--	--	--	--	25	39
173	25	M	MEXICO	12	15	--	--	--	--	--	--	--	--	--	22	42
174	--	F	MEXICO	8	24	51	--	--	--	--	--	--	--	--	25	44
175	24	F	MEXICO	11	4	48	--	--	--	--	--	--	--	--	22	27
176	32	F	MEXICO	8	12	20	--	--	--	--	--	--	--	--	18	19
177	25	M	MEXICO	10	9	51	--	--	--	--	--	--	--	--	15	25
178	25	F	MEXICO	10	9	40	--	--	--	--	--	--	--	--	18	27
179	46	M	MEXICO	12	3	40	--	--	--	--	--	--	--	--	24	28
181	35	M	ELSALVADOR	6	12	26	--	--	--	--	--	--	--	--	12	18
182	24	M	MEXICO	6	4	45	--	--	--	--	--	--	--	--	15	15
183	28	M	MEXICO	6	6	49	--	--	--	--	--	--	--	--	16	16
184	38	M	MEXICO	12	13	45	--	--	--	--	--	--	--	--	21	42
185	27	M	MEXICO	12	9	50	--	--	--	--	--	--	--	--	26	47
186	28	F	MEXICO	9	6	39	--	--	--	--	--	--	--	--	18	31
187	24	M	MEXICO	6	9	38	--	--	--	--		--	--	--	12	36
189	32	M	ELSALVADOR	12	6	43	--	--	--	--	--	--	--	--	19	46
190	44	M	MEXICO	6	14	50	--	--	--	--	--	--	--	--	25	26
191	22	M	MEXICO	11	3	44	--	--	--	--	--	--	--	--	--	--
192	23	F	ECUADOR	12	1	31	--	--	--	--	--	--	--	--	--	--
193	23	M	MEXICO	11	8	37	--	--	--	--	--	--	--	--	--	19
194	23	F	MEXICO	12	3	48	--	--	--	--	--	--	--	--	--	19
195	25	F	PUERTO RICO	15	2	46	--	--	--	--	--	--	--	--	--	--
196	--	F		--	--	47	--	--	--	--	--	--	--	--	17	20
197	20	M	MEXICO	12	3	--	--	--	--	--	--	--	--	--	16	35
198	25	M	MEXICO	16	1	--	--	--	--	--	--	--	--	--	22	24
199	29	M	SYRIA	12	1	36	--	--	--	--	--	--	14	25	--	--
200	31	F	BRASIL	25	--	43	--	--	--	--	--	--	12	30	--	--
201	47	F	MEXICO	10	1	27	--	--	--	--	--	--	15	33	--	--
202	26	F	YUGOSLAVIA	14	1	34	--	--	--	--	--	--	20	20	--	--
203	24	M	MEXICO	6	9	17	--	--	--	--	--	--	12	17	--	--
204	41	F	KOREA	17	17	33	--	--	--	--	--	--	14	35	--	--
205	20	F	MEXICO	12	1	23	--	--	--	--	--	--	14	28	--	--
206	39	F	BRASIL	17	1	20	--	--	--	--	--	--	18	33	--	--
207	36	F	JAPAN	12	2	37	--	--	--	--	--	--	11	31	--	--
208	37	F	JAPAN	14	2	--	--	--	--	--	--	--	--	--	--	--
209	37	F	ELSALVADOR	9	12	36	--	--	--	--	--	--	--	--	--	--
210	34	M	ELSALVADOR	9	8	28	--	--	--	--	--	--	--	--	--	--
211	--	M	ELSALVADOR	11	4	28	--	--	--	--	--	--	--	--	--	--
212	28	F	JAPAN	15	1	52	--	--	--	--	--	--	--	--	--	--
214	42	M	VIETNAM	10	8	31	--	--	--	--	--	--	--	--	--	--

--COMPLETE SAMPLE--

Code	Age	Sex	Country	Sch	USA	Tepi	ElasB	Elasl	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
215	27	M	YUGOSLAVIA	17	2	39	--	--	--	--	--	--	--	--	--	--
216	27	F	JAPAN	12	1	45	--	--	--	--	--	--	--	--	--	--
217	44	F	KOREA	--	19	--	--	--	--	--	--	--	18	27	--	--
218	29	F	TAIWAN	12	--	--	--	--	--	--	--	--	12	23	--	--
219	21	M	MEXICO	12	3	--	--	--	--	--	--	--	17	19	--	--
220	25	F	IRAN	14	4	50	--	--	--	--	--	--	--	--	15	25
221	32	F	MEXICO	7	13	26	--	--	--	--	--	--	--	--	11	8
222	22	M	MEXICO	6	7	3	--	--	--	--	--	--	--	--	7	7
223	34	F	TAIWAN	15	4	36	--	--	--	--	--	--	--	--	14	14
224	36	F	MEXICO	9	10	24	--	--	--	--	--	--	--	--	12	21
226	28	M	MEXICO	18	3	34	--	--	--	--	--	--	--	--	21	14
227	36	M	MEXICO	6	12	45	--	--	--	--	--	--	--	--	22	22
228	25	M	MEXICO	--	8	27	--	--	--	--	--	--	--	--	9	6
229	23	M	MEXICO	9	8	31	--	--	--	--	--	--	--	--	--	16
230	34	M	MEXICO	1	16	14	--	--	--	--	--	--	--	--	9	10
231	37	F	JAPAN	14	2	27	--	--	--	--	--	--	--	--	12	18
232	37	M	MEXICO	6	8	27	--	--	--	--	--	--	--	--	16	10
233	27	F	MEXICO	13	3	25	--	--	--	--	--	--	--	--	19	13
234	26	F	YUGOSLAVIA	17	1	46	--	--	--	--	--	--	--	--	12	32
235	32	F	MEXICO	12	11	45	--	--	--	--	--	--	--	--	27	23
236	34	M	MEXICO	12	6	23	--	--	--	--	--	--	--	--	15	27
237	28	F	MEXICO	8	11	12	--	--	--	--	--	--	--	--	13	12
238	40	F	MEXICO	6	19	20	--	--	--	--	--	--	--	--	14	20
240	23	M	ARGENTINA	15	1	35	--	--	--	--	--	--	--	--	17	15
241	22	M	MEXICO	9	7	27	--	--	--	--	--	--	--	--	18	30
243	44	F	POLAND	11	3	35	--	--	--	--	--	--	--	--	--	--
244	31	M	PUERTO RICO	13	3	32	--	--	--	--	--	--	--	--	--	--
245	28	M	ELSALVADOR	12	3	--	--	--	--	--	--	--	--	--	25	24
246	74	M	CUBA	--	40	--	--	--	--	--	--	--	--	--	25	22
247	39	M	MEXICO	6	18	--	--	--	--	--	--	--	--	--	17	13
248	21	F	PUERTO RICO	15	1	--	--	--	--	--	--	--	--	--	21	37
249	29	F	MEXICO	13	5	--	--	--	--	--	--	--	--	--	26	31
250	25	M	MEXICO	12	10	--	--	--	--	--	--	--	--	--	18	8
251	35	F	ELSALVADOR	12	7	44	--	--	--	--	--	--	--	--	21	39
252	37	M	ELSALVADOR	12	8	50	--	--	--	--	--	--	--	--	29	45
253	34	F	SWITZERLAN	14	1	52	--	--	--	--	--	--	--	--	26	45
254	29	M	SYRIA	12	1	39	--	--	--	--	--	--	--	--	18	25
255	46	F	NETHERLAND	[illegible]		[illegible]	--	--	--	--	--	--	--	--	29	45
256	36	F	ISRAEL	12	3	31	--	--	--	--	--	--	--	--	10	21
257	31	F	POLAND	18	3	46	--	--	--	--	--	--	--	--	21	39
258	28	F	JAPAN	15	1	51	--	--	--	--	--	--	--	--	13	40
259	48	F	THAILAND	16	16	44	--	--	--	--	--	--	--	--	20	43

--COMPLETE SAMPLE--

Code	Age	Sex	Country	Sch	USA	Tepl	ElsaB	Elsal	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
260	42	F	KOREA	16	1	37	--	--	--	--	--	--	--	--	8	34
261	19	F	BRAZIL	12	--	52	--	--	--	--	--	--	--	--	22	42
262	28	F	ELSALVADOR	12	7	46	--	--	--	--	--	--	--	--	26	37
263	26	M	IRAN	13	--	49	--	--	--	--	--	--	--	--	11	35
264	31	F	MEXICO	9	12	43	--	--	--	--	--	--	--	--	14	27
265	23	M	YUGOSLAVIA	14	2	34	--	--	--	--	--	--	--	--	19	33
266	26	F	JAPAN	12	1	40	--	--	--	--	--	--	--	--	11	30
267	38	F	JAPAN	16	1	35	--	--	--	--	--	--	--	--	12	34
268	24	F	MEXICO	6	10	27	--	--	--	--	--	--	--	--	18	27
269	27	F	JAPAN	12	1	53	--	--	--	--	--	--	--	--	11	39
270	27	M	IRAN	9	3	50	--	--	--	--	--	--	--	--	--	--
271	19	M	MEXICO	9	1	52	--	--	--	--	--	--	--	--	--	--
272	26	F	YUGOSLAVIA	14	1	33	--	--	--	--	--	--	--	--	--	--
273	41	M	TAIWAN	16	4	--	--	--	--	--	--	--	--	--	16	29
274	23	M	GREECE	12	1	--	--	--	--	--	--	--	--	--	15	31
275	19	F	SPAIN	10	--	--	--	--	--	--	--	--	18	33	22	37
276	23	M	MEXICO	9	7	10	--	--	--	--	--	--	13	24	--	--
277	19	M	MEXICO	9	3	20	--	--	--	--	--	--	19	29	--	--
278	32	F	MEXICO	4	12	3	--	--	--	--	--	--	13	20	--	--
279	33	M	MEXICO	4	9	16	--	--	--	--	--	--	12	23	--	--
280	19	F	MEXICO	6	2	20	--	--	--	--	--	--	7	17	--	--
281	22	M	MEXICO	12	4	16	--	--	--	--	--	--	11	25	--	--
282	23	M	MEXICO	12	4	29	--	--	--	--	--	--	15	29	--	--
283	40	M	MEXICO	3	8	16	--	--	--	--	--	--	14	23	--	--
284	27	F	COLOMBIA	10	8	17	--	--	--	--	--	--	12	20	--	--
285	37	M	MEXICO	5	8	12	--	--	--	--	--	--	16	25	--	--
286	34	M	MEXICO	5	13	11	--	--	--	--	--	--	10	27	--	--
287	25	F	ELSALVADOR	9	8	14	--	--	--	--	--	--	12	22	--	--
288	37	M	MEXICO	8	1	19	--	--	--	--	--	--	14	20	--	--
289	22	M	COLOMBIA	11	--	29	--	--	--	--	--	--	12	28	--	--
290	25	M	MEXICO	12	3	10	--	--	--	--	--	--	16	26	--	--
291	27	F	MEXICO	11	3	3	--	--	--	--	--	--	10	5	--	--
292	30	F	COLOMBIA	10	9	5	--	--	--	--	--	--	16	25	--	--
293	30	M	MEXICO	12	10	21	--	--	--	--	--	--	13	34	--	--
294	--			--	--	14	--	--	--	--	--	--	6	17	--	--
295	--			--	--	15	--	--	--	--	--	--	10	24	--	--
296	23	M		12	8	11	--	--	--	--	--	--	--	--	--	--
297	34	m	MEXICO	4	14	7	--	--	--	--	--	--	--	--	--	--
298	50	m	MEXICO	2	14	10	--	--	--	--	--	--	--	--	--	--
299	43	M	MEXICO	12	11	12	--	--	--	--	--	--	--	--	--	--
300	40	M	COLOMBIA	10	8	15	--	--	--	--	--	--	--	--	--	--
301	21	M	MEXICO	10	4	10	--	--	--	--	--	--	--	--	--	--

--COMPLETE SAMPLE--

Code	Age	Sex	Country	Sch	USA	Tepl	ElssB	Elsal	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
302	24	M	MEXICO	12	5	9	--	--	--	--	--	--	--	--	--	--
303	--			--	--	18	--	--	--	--	--	--	--	--	--	--
304	--			--	--	10	--	--	--	--	--	--	--	--	--	--
305	31	F	NICARAGUA	2	5	--	--	--	--	--	--	--	15	32	--	--
306	22	F	ELSALVADOR	12	1	--	--	--	--	--	--	--	13	24	--	--
307	--			--	--	--	--	--	--	--	--	--	12	24	--	--
308	15	F	CHICAGO	9	1	45	--	--	--	--	19	26	--	--	--	--
309	35	F	GREECE	12	7	40	--	--	--	--	17	35	--	--	--	--
310	29	F	COLOMBIA	11	4	44	--	--	--	--	14	26	--	--	--	--
311	50	F	ECUADOR	12	21	38	--	--	--	--	9	10	--	--	--	--
312	20	F	HONG KONG	8	--	40	--	--	--	.	10	27	--	--	--	--
313	49	M	KOREA	10	6	46	--	--	--	--	21	33	--	--	--	--
314	24	M	ITALY	15	1	52	--	--	--	--	23	37	--	--	--	--
315	25	M	INDIA	12	4	39	--	--	--	--	20	32	--	--	--	--
316	46	F	NICARAGUA	10	9	28	--	--	--	--	11	13	--	--	--	--
317	28	F	MEXICO	14	8	41	--	--	--	--	20	31	--	--	--	--
318	28	M	JAPAN	6	1	31	--	--	--	--	13	21	--	--	--	--
319	31	M	POLAND	18	1	43	--	--	--	--	18	31	--	--	--	--
320	30	M	MEXICO	9	6	31	--	--	--	--	15	26	--	--	--	--
321	64	F	POLAND	15	2	30	--	--	--	--	12	27	--	--	--	--
322	41	F	POLAND	16	5	36	--	--	--	--	22	32	--	--	--	--
324	28	F	ISRAEL	16	--	32	--	--	--	--	--	--	--	--	--	--
326	44	F	GUATEMALA	11	21	46	--	--	--	--	--	--	--	--	--	--
327	37	M	POLAND	18	1	44	--	--	--	--	--	--	--	--	--	--
328	47	M	PERU	16	17	46	--	--	--	--	--	--	--	--	--	--
329	16	M	ISRAEL	9	1	--	--	--	--	--	9	9	--	--	--	--
330	18	M	ISRAEL	11	1	--	--	--	--	--	8	11	--	--	--	--
331	30	F	PERU	12	1	--	--	--	--	--	19	38	--	--	--	--
332	36	F	PERU	10	7	--	--	--	--	--	15	25	--	--	--	--
333	38	M	CHINA	10	14	--	--	--	--	--	15	26	--	--	--	--
334	33	M	POLAND	14	4	--	--	--	--	--	21	32	--	--	--	--
335	27	M	POLAND	15	--	27	--	--	19	25	--	--	--	--	--	--
336	25	M	MEXICO	15	1	24	--	--	15	27	--	--	--	--	--	--
337	24	M	MEXICO	6	8	24	--	--	18	21	--	--	--	--	--	--
338	27	F	ELSALVADOR	12	4	38	--	--	17	23	--	--	--	--	--	--
339	36	M	POLAND	13	1	36	--	--	14	26	--	--	--	--	--	--
340	20	M	KOREA	12	2	39	--	--	17	31	--	--	--	--	--	--
341	32	F	YUGOSLAVIA	12	2	48	--	--	20	34	--	--	--	--	--	--
342	26	F	VIET-NAM	13	1	29	--	--	17	30	--	--	--	--	--	--
343	27	M	MEXICO	12	10	31	--	--	20	26	--	--	--	--	--	--
344	36	F	POLAND	12	5	34	--	--	19	25	--	--	--	--	--	--
345	42	F	POLAND	14	1	35	--	--	23	19	--	--	--	--	--	--

Code	Age	Sex	Country	Sch	USA	Tepl	ElsaB	Elsal	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
346	37	M	KOREA	12	1	33	--	--	17	25	--	--	--	--	--	--
347	40	F	POLAND	14	7	34	--	--	15	25	--	--	--	--	--	--
348	26	M	MEXICO	9	10	28	--	--	16	30	--	--	--	--	--	--
349	41	M	POLAND	12	8	41	--	--	25	37	--	--	--	--	--	--
350	37	F	POLAND	12	4	45	--	--	27	37	--	--	--	--	--	--
351	37	F	YUGOSLAVIA	16	2	43	--	--	20	34	--	--	--	--	--	--
352	30	F	INDIA	12	1	38	--	--	26	31	--	--	--	--	--	--
353	37	F	POLAND	14	5	30	--	--	14	29	--	--	--	--	--	--
354	20	M	MEXICO	9	5	40	--	--	16	18	--	--	--	--	--	--
355	31	M	IRAN	14	--	37	--	--	19	30	--	--	--	--	--	--
356	26	F	MEXICO	10	10	18	--	--	--	--	--	--	--	--	--	--
357	49	F	W. GERMANY	12	2	37	--	--	--	--	--	--	--	--	--	--
358	35	M	VIET-NAM	12	1	39	--	--	--	--	--	--	--	--	--	--
359	26	F	MEXICO	18	8	18	--	--	--	--	--	--	--	--	--	--
360	45	M	MEXICO	13	8	21	--	--	--	--	--	--	--	--	--	--
362	39	M	MEXICO	14	8	--	--	--	23	30	--	--	--	--	--	--
363	--			--	--	--	--	--	12	22	--	--	--	--	--	--
364	--			--	--	--	--	--	12	12	--	--	--	--	--	--
365	--			--	--	--	--	--	19	25	--	--	--	--	--	--
367	35	F	MEXICO	8	15	18	--	--	--	--	6	16	--	--	--	--
368	29	M	MEXICO	9	5	39	--	--	--	--	21	32	--	--	--	--
369	33	M	MEXICO	8	12	52	--	--	--	--	23	34	--	--	--	--
370	47	F	JAPAN	14	5	31	--	--	12	31	--	--	--	--	--	--
371	20	M	MEXICO	8	4	34	--	--	--	--	13	15	--	--	--	--
372	29	F	KOREA	14	3	43	--	--	--	--	19	22	--	--	--	--
373	34	M	MEXICO	9	9	53	--	--	--	--	27	38	--	--	--	--
375	21	M	MEXICO	8	9	--	--	--	--	--	14	27	--	--	--	--
376	26	F	MEXICO	6	12	27	--	--	--	--	12	26	--	--	--	--
377	38	F	POLAND	15	3	--	--	--	--	--	17	26	--	--	--	--
378	25	M	MEXICO	5	7	55	--	--	--	--	--	--	--	--	--	--
379	--	F	PERU	8	28	23	--	--	--	--	--	--	--	--	--	--
380	20	M	MEXICO	9	3	30	--	--	--	--	--	--	--	--	--	--
381	33	F	MEXICO	9	11	31	--	--	--	--	--	--	--	--	--	--
382	36	F	COLOMBIA	12	2	22	--	--	--	--	--	--	--	--	--	--
383	31	M	MEXICO	17	8	50	--	--	--	--	--	--	--	--	--	--
384	--	F	ELSALVADOR	6	4	11	--	--	--	--	--	--	--	--	--	--
385	28	M	JAPAN	16	--	43	--	--	--	--	--	--	--	--	--	--
386	25	F	MEXICO	9	9	29	--	--	--	--	--	--	--	--	--	--
387	25	M	MEXICO	2	6	38	--	--	--	--	--	--	--	--	--	--
389	20	F	GERMANY	10	1	49	--	--	--	--	16	35	--	--	--	--
390	50	F	HAITI	12	19	48	--	--	--	--	18	22	--	--	--	--
391	34	F	POLAND	12	4	46	--	--	--	--	--	--	--	--	--	--

--COMPLETE SAMPLE--

Code	Age	Sex	Country	Sch	USA	Tepl	ElsaB	Elsal	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
392	51	M	GREECE	9	25	36	--	--	--	--	7	20	--	--	--	--
393	20	F	BOLIVIA	14	2	52	--	--	--	--	21	35	--	--	--	--
394	26	M	POLAND	17	3	47	--	--	--	--	20	39	--	--	--	--
396	54	M	PHILIPPINE	14	7	49	--	--	--	--	--	--	--	--	--	--
397	30	M	POLAND	17	2	54	--	--	--	--	29	39	--	--	--	--
398	41	F	RUSSIA	17	9	51	--	--	--	--	27	39	--	--	--	--
399	28	F	POLAND	16	2	43	--	--	--	--	17	32	--	--	--	--
401	20	F	DENMARK	13	1	56	--	--	--	--	22	36	--	--	--	--
402	20	F	DENMARK	13	1	57	--	--	--	--	24	39	--	--	--	--
403	39	F	POLAND	15	4	52	--	--	--	--	25	40	--	--	--	--
404	42	M	RUSSIA	15	--	47	--	--	--	--	25	38	--	--	--	--
405	35	F	POLAND	17	2	51	--	--	--	--	24	36	--	--	--	--
406	55	M	USSR	15	9	56	--	--	--	--	24	33	--	--	--	--
407	38	F	CHINA	14	8	45	--	--	--	--	--	--	--	--	--	--
408	40	F	USSR	13	10	48	--	--	--	--	--	--	--	--	--	--
409	20	F	GERMANY	13	1	54	--	--	--	--	--	--	--	--	--	--
410	19	F	GERMANY	13	--	55	--	--	--	--	--	--	--	--	--	--
411	19	F	NETHERLAND	13	--	54	--	--	--	--	--	--	--	--	--	--
412	24	F	SWEEDEN	11	1	--	--	--	--	--	25	39	--	--	--	--
413	23	F	PERU	12	1	--	--	--	--	--	16	30	--	--	--	--
414	21	F	ITALY	13	1	--	--	--	--	--	21	38	--	--	--	--
415	22	F	YUGOSLAVIA	14	--	--	--	--	--	--	6	22	--	--	--	--
416	38	F	COLOMBIA	12	7	37	--	--	--	--	14	18	--	--	--	--
417	20	F	TAIWAN	12	--	48	--	--	--	--	17	36	--	--	--	--
418	65	F	CHINA	15	30	38	--	--	--	--	21	36	--	--	--	--
419	37	F	MEXICO	16	1	48	--	--	--	--	17	32	--	--	--	--
420	30	F	COLOMBIA	11	8	50	--	--	--	--	26	30	--	--	--	--
421	53	F	ITALY	15	--	51	--	--	--	--	21	40	--	--	--	--
422	32	F	KOREA	18	1	50	--	--	--	--	27	39	--	--	--	--
423	27	F	JAPAN	14	--	46	--	--	--	--	17	33	--	--	--	--
424	35	F	JAPAN	16	2	53	--	--	--	--	27	40	--	--	--	--
426	28	F	S. KOREA	16	4	50	--	--	--	--	23	40	--	--	--	--
427	27	F	KOREA	16	4	50	--	--	--	--	27	31	--	--	--	--
428	37	F	JAPAN	16	4	56	--	--	--	--	26	40	--	--	--	--
429	51	F	KOREA	18	2	54	--	--	--	--	21	35	--	--	--	--
430	65	F	CHINA	16	6	46	--	--	--	--	22	16	--	--	--	--
431	37	F	TAIWAN	16	1	56	--	--	--	--	26	38	--	--	--	--
433	37	M	PHILIPPINE	16	1	56	--	--	--	--	29	39	--	--	--	--
434	24	F	KOREA	18	1	47	--	--	--	--	--	--	--	--	--	--
435	47	F	KOREA	12	9	--	--	--	--	--	20	18	--	--	--	--
436	26	F	COLOMBIA	16	--	38	--	--	--	--	16	31	--	--	--	--
437	22	M	COLOMBIA	15	--	48	--	--	--	--	19	34	--	--	--	--

--COMPLETE SAMPLE--

Code	Age	Sex	Country	Sch	USA	Tepl	ElsaB	Elsal	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
438	21	M	ELSALVADOR	2	4	34	--	--	--	--	9	20	--	--	--	--
439	37	F	CHINA	12	3	30	--	--	--	--	13	15	--	--	--	--
440	40	F	KOREA	16	--	51	--	--	--	--	21	37	--	--	--	--
441	33	M	YUGOSLAVIA	16	--	39	--	--	--	--	9	27	--	--	--	--
442	20	M	ISRAEL	12	--	30	--	--	--	--	12	17	--	--	--	--
443	36	F	KOREA	16	1	49	--	--	--	--	22	16	--	--	--	--
444	70	M	CHINA	12	7	38	--	--	--	--	16	28	--	--	--	--
445	35	F	KOREA	12	6	40	--	--	--	--	22	34	--	--	--	--
446	17	M	INDIA	10	--	35	--	--	--	--	--	--	--	--	--	--
447	49	M	KOREA	14	21	33	--	--	--	--	--	--	--	--	--	--
448	51	F	KOREA	12	9	--	--	--	--	--	17	14	--	--	--	--
449	--	M	MEXICO	6	8	--	--	4	--	--	--	--	11	22	--	--
450	22	M	MEXICO	9	1	--	--	9	--	--	--	--	11	22	--	--
451	23	M	MEXICO	9	4	--	--	18	--	--	--	--	11	23	--	--
452	36	M	ELSALVADOR	7	8	--	--	2	--	--	--	--	15	26	--	--
453	23	M	MEXICO	9	1	--	--	13	--	--	--	--	18	28	--	--
454	27	M	MEXICO	6	8	--	--	9	--	--	--	--	14	28	--	--
455	24	M	MEXICO	6	3	--	--	7	--	--	--	--	14	24	--	--
456	29	F	MEXICO	12	--	--	--	12	--	--	--	--	72	6	--	--
457	36	M	MEXICO	*	12	--	--	9	--	--	--	--	10	27	--	--
458	19	M	MEXICO	9	1	--	--	9	--	--	--	--	3	22	--	--
459	26	F	ELSALVADOR	6	--	--	--	6	--	--	--	--	12	19	--	--
460	20	M	MEXICO	9	3	--	--	9	--	--	--	--	15	25	--	--
461	19	M	MEXICO	9	3	--	--	7	--	--	--	--	11	19	--	--
462	22	M	MEXICO	11	5	--	--	5	--	--	--	--	20	31	--	--
463	25	M	MEXICO	9	8	--	--	12	--	--	--	--	12	24	--	--
464	32	M	MEXICO	6	9	--	--	12	--	--	--	--	15	32	--	--
465	29	M	MEXICO	6	13	--	--	1	--	--	--	--	12	29	--	--
466	20	M	MEXICO	6	--	--	--	13	--	--	--	--	6	30	--	--
467	--			--	--	--	--	8	--	--	--	--	13	16	--	--
468	--			--	--	--	--	7	--	--	--	--	13	24	--	--
469	--			--	--	--	--	14	--	--	--	--	18	33	--	--
470	21	M	MEXICO	7	3	--	--	11	--	--	--	--	--	--	--	--
471	27	F	VIET-NAM	8	6	--	--	--	--	--	--	--	9	27	--	--
472	30	M	MEXICO	4	9	--	--	5	--	--	--	--	13	26	--	--
473	27	F	MEXICO	6	6	--	--	21	--	--	--	--	20	36	--	--
474	25	M	MEXICO	6	8	--	--	10	--	--	--	--	11	28	--	--
475	23	M	MEXICO	4	12	--	--	22	--	--	--	--	20	39	--	--
476	32	M	ECUADOR	7	8	--	--	18	--	--	--	--	24	36	--	--
477	30	M	MEXICO	6	6	--	--	14	--	--	--	--	11	31	--	--
478	20	M	MEXICO	6	6	--	--	14	--	--	--	--	17	26	--	--
479	34	F	MEXICO	3	18	--	--	22	--	--	--	--	22	37	--	--

--COMPLETE SAMPLE--

Code	Age	Sex	Country	Sch	USA	Tepl	ElsaB	Elsal	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
480	24	M	MEXICO	2	8	--	--	16	--	--	--	--	12	22	--	--
481	36	M	MEXICO	3	16	--	--	19	--	--	--	--	15	33	--	--
482	28	F	MEXICO	13	8	--	--	11	--	--	--	--	9	24	--	--
483	29	F	MEXICO	6	3	--	--	15	--	--	--	--	23	37	--	--
484	28	M	MEXICO	2	11	--	--	20	--	--	--	--	14	35	--	--
485	28	M	MEXICO	6	8	--	--	13	--	--	--	--	16	31	--	--
486	21	M	ELSALVADOR	9	4	--	--	19	--	--	--	--	18	32	--	--
487	28	M	MEXICO	9	9	--	--	22	--	--	--	--	22	36	--	--
488	26	F	MEXICO	13	2	--	--	20	--	--	--	--	24	28	--	--
489	31	M	MEXICO	14	2	--	--	20	--	--	--	--	20	35	--	--
490	21	M	MEXICO	12	8	--	--	15	--	--	--	--	16	36	--	--
491	35	M	GUATEMALA	10	6	--	--	9	--	--	--	--	13	33	--	--
492	25	M	MEXICO	12	5	--	--	9	--	--	--	--	16	22	--	--
493	20	M		7	3	--	--	16	--	--	--	--	19	34	--	--
494	24	M	MEXICO	11	5	--	--	23	--	--	--	--	20	32	--	--
495	28	M	MEXICO	6	7	--	--	18	--	--	--	--	15	35	--	--
496	36	M	MEXICO	5	8	--	--	9	--	--	--	--	12	30	--	--
497	26	M	MEXICO	5	8	--	--	20	--	--	--	--	17	33	--	--
498	26	F	MEXICO	18	3	--	--	17	--	--	--	--	19	33	--	--
499	34		MEXICO	6	15	--	--	14	--	--	--	--	20	37	--	--
500	30	F	MEXICO	6	12	--	--	22	--	--	--	--	21	38	--	--
501	21	M	MEXICO	12	3	--	--	23	--	--	--	--	18	35	--	--
502	39	F	VIET-NAM	11	9	--	--	18	--	--	--	--	13	30	--	--
503	28	M	MEXICO	12	8	--	--	24	--	--	--	--	24	38	--	--
504	29	F	POLAND	2	3	--	--	11	--	--	--	--	14	27	--	--
505	21	M	MEXICO	6	9	--	--	16	--	--	--	--	14	32	--	--
506	33	M	MEXICO	4	8	--	--	14	--	--	--	--	17	30	--	--
507	28	F	COLOMBIA	8	7	--	--	24	--	--	--	--	21	39	--	--
508	20	M	MEXICO	13	--	--	--	10	--	--	--	--	21	34	--	--
509	27	M	MEXICO	6	7	--	--	14	--	--	--	--	17	34	--	--
510	29	M	MEXICO	6	10	--	--	12	--	--	--	--	12	24	--	--
511	37	M	MEXICO	6	12	--	--	15	--	--	--	--	14	34	--	--
512	30	M	MEXICO	6	12	--	--	4	--	--	--	--	5	25	--	--
513	40	M	MEXICO	12	10	--	--	16	--	--	--	--	20	31	--	--
514	22	F	GUATEMALA	11	8	--	--	--	--	--	--	--	22	36	--	--
515	--			--	--	--	--	14	--	--	--	--	18	36	--	--
516	31	M	MEXICO	9	10	--	--	18	--	--	--	--	--	--	--	--
517	20	F	MEXICO	5	7	--	--	16	--	--	--	--	--	--	--	--
518	36	F	MEXICO	6	9	--	--	7	--	--	--	--	8	28	--	--
519	40	F	COLOMBIA	15	15	--	--	18	--	--	--	--	17	32	--	--
520	21	M	MEXICO	4	11	--	--	22	--	--	--	--	25	37	--	--
521	32		MEXICO	6	14	--	--	21	--	--	--	--	22	34	--	--

--COMPLETE SAMPLE--

Code	Age	Sex	Country	Sch	USA	Tepl	ElseB	Elsel	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
522	28	M	MEXICO	6	8	--	--	20	--	--	--	--	20	35	--	--
523	30	M	MEXICO	9	11	--	--	--	--	--	-	--	27	35	--	--
524	35	F	TAIWAN	15	6	--	--	--	--	--	--	--	17	35	--	--
[illegible]	27	F	JAPAN	16	1	--	--	--	--	--	--	--	17	33	--	--
526	21	M	MEXICO	12	9	--	--	15	--	--	--	--	13	28	--	--
527	32	M	MEXICO	5	11	--	--	20	--	--	--	--	18	33	--	--
528	41	M	THIALAND	12	15	--	--	15	--	--	--	--	19	33	--	--
529	43	F	MEXICO	3	16	--	--	12	--	--	--	--	19	36	--	--
530	27	F	MEXICO	9	10	--	--	--	--	--	--	--	16	38	--	--
531	43	M	MEXICO	5	10	--	--	12	--	--	--	-	18	32	--	--
532	35	M	MEXICO	6	18	--	--	18	--	--	--	--	17	35	--	--
533	28	M	GUATEMALA	11	8	--	--	24	--	--	--	--	27	39	--	--
534	24	M	MEXICO	6	7	--	--	18	--	--	--	--	19	35	--	--
535	35	M	MEXICO	13	8	--	--	20	--	--	--	--	26	39	--	--
536	38	M	ALBANIA	12	3	--	--	12	--	--	--	--	22	28	--	--
537	48	F	PERU	12	20	32	--	--	--	--	--	--	19	37	--	--
538	34	F	MEXICO	6	9	30	--	--	--	--	--	--	15	37	--	--
539	31	F	MEXICO	6	8	20	--	--	--	--	--	--	--	--	--	--
540	49	M	SYRIA	5	11	--	--	--	--	--	--	--	14	13	--	--
541	26	F	MEXICO	15	3	--	--	--	--	--	--	--	12	31	--	--
542	31	[illegible]	MEXICO	9	13	--	--	--	--	--	--	--	17	38	--	--
543	39	M	MEXICO	11	19	--	--	--	--	--	--	--	19	36	--	--
544	50	M	PERU	--	20	--	--	--	--	--	--	--	19	29	--	--
545	49	M	TAIWAN	14	1	22	--	--	--	--	--	--	10	20	--	--
546	36	M	THAILAND	9	8	10	--	--	--	--	--	--	12	24	--	--
547	42	F	ECUADOR	10	11	14	--	--	--	--	--	--	8	21	--	--
548	60	F	PHILIPPINE	4	5	15	--	--	--	--	--	--	--	--	--	--
549	22	M	MEXICO	6	8	23	--	--	--	--	--	--	--	--	--	--
550	3	M	MEXICO	11	8	43	--	--	--	--	--	--	--	--	--	--
551	56	M	TAIWAN	12	3	28	--	--	--	--	--	--	3	23	--	--
552	31	M	MEXICO	6	16	18	--	--	--	--	--	--	--	--	--	--
553	26	M	ELSALVADOR	9	8	29	--	--	--	--	--	--	--	--	--	--
554	21	F	MEXICO	6	8	29	--	--	--	--	--	--	14	31	--	--
555	34	M	MEXICO	16	1	37	--	--	--	--	--	--	14	30	--	--
556	36	F	MEXICO	8	12	33	--	--	--	--	21	--	--	--	--	--
558	38	F	JAPAN	14	2	44	--	--	--	--	16	--	--	--	--	--
559	38	F	JAPAN	16	1	53	--	--	--	--	25	--	--	--	--	--
560	36	F	ECUADOR	12	16	47	--	--	--	--	22	--	--	--	--	--
561	40	F	JAPAN	14	1	40	--	--	--	--	18	--	--	--	--	--
562	29	F	TAIWAN	18	1	45	--	--	--	--	--	--	--	--	--	--
563	39	F	JAPAN	16	1	48	--	--	--	--	15	--	--	--	--	--
564	28	F	JAPAN	14	1	39	--	--	--	--	7	--	--	--	--	--

--COMPLETE SAMPLE--

Code	Age	Sex	Country	Sch	USA	Tepl	ElsaB	Elsal	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
565	40	F	ITALY	10	20	49	--	--	--	--	20	--	--	--	--	--
566	45	F	JAPAN	14	1	45	--	--	--	--	--	--	--	--	--	--
567	54	F	POLAND	11	12	57	--	--	--	--	26	--	--	--	--	--
568	38	F	JAPAN	14	3	46	--	--	--	--	17	--	--	--	--	--
570	28	F	JAPAN	16	1	49	--	--	--	--	19	--	--	--	--	--
571	38	M	MEXICO	13	2	40	--	--	--	--	14	--	--	--	--	--
572	44	F	POLAND	12	12	--	17	--	17	--	--	--	--	--	--	--
573	58	F	CHINA	8	40	--	18	--	2	--	--	--	--	--	--	--
574	31	M	MEXICO	9	9	--	21	--	19	--	--	--	--	--	--	--
575	32	M	MEXICO	6	10	--	10	--	--	--	--	--	--	--	--	--
576	31	M	MEXICO	9	8	--	7	--	16	--	--	--	--	--	--	--
577	47	F	JAPAN	12	13	--	18	--	21	--	--	--	--	--	--	--
578	36	F	TAIWAN	--	5	--	15	--	11	--	--	--	--	--	--	--
579	36	F	JAPAN	8	1	--	5	--	--	--	--	--	--	--	--	--
580	28	M	MEXICO	--	11	--	8	--	--	--	--	--	--	--	--	--
581	33	F	BRAZIL	18	1	--	12	--	15	--	--	--	--	--	--	--
582	23	M	MEXICO	6	8	--	17	--	16	--	--	--	--	--	--	--
583	38	F	JAPAN	6	1	--	12	--	10	--	--	--	--	--	--	--
584	39	F	JAPAN	6	1	--	20	--	19	--	--	--	--	--	--	--
585	29	M	MEXICO	6	22	--	11	--	15	--	--	--	--	--	--	--
586	18	M	MEXICO	--	3	--	7	--	--	--	--	--	--	--	--	--
587	31	F	JAPAN	10	1	--	22	--	20	--	--	--	--	--	--	--
588	37	F	MEXICO	10	15	--	9	--	17	--	--	--	--	--	--	--
589	36	F	MEXICO	11	14	--	19	--	21	--	--	--	--	--	--	--
590	28	F	MEXICO	5	8	--	23	--	17	--	--	--	--	--	--	--
591	38	M	MEXICO	7	11	--	17	--	12	--	--	--	--	--	--	--
592	31	F	MEXICO	18	1	--	21	--	21	--	--	--	--	--	--	--
593	34	F	KOREA	17	4	--	--	--	22	--	--	--	--	--	--	--
594	30	F	JAPAN	6	1	--	--	--	17	--	--	--	--	--	--	--
595	36	M	EXICO	6	6	--	--	--	12	--	--	--	--	--	--	--
596	26	M	MEXICO	10	9	13	--	--	--	--	--	--	13	13	--	--
597	41	F	MEXICO	9	9	11	--	--	--	--	--	--	14	23	--	--
598	29	M	MEXICO	6	9	22	--	--	--	--	--	--	--	--	--	--
599	37	F	MEXICO	6	7	11	--	--	--	--	--	--	13	13	--	--
600	30	F	MEXICO	4	10	5	--	--	--	--	--	--	8	18	--	--
601	30	F	MEXICO	6	13	8	--	--	--	--	--	--	15	7	--	--
602	34	M	MEXICO	6	16	10	--	--	--	--	--	--	9	32	--	--
603	40	M	MEXICO	4	18	--	--	--	--	--	--	--	10	16	--	--
604	25	M	MEXICO	11	6	49	--	--	--	--	--	--	30	38	--	--
605	27	M	MEXICO	6	9	24	--	--	--	--	--	--	--	--	--	--
606	27	M	MEXICO	8	8	--	--	--	--	--	--	--	14	31	--	--
607	21	M	MEXICO	7	8	--	--	--	--	--	--	--	8	26	--	--

--COMPLETE SAMPLE--

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Code	Age	Sex	Country	Sch	USA	Tepl	ElseB	Elsal	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
608	30	M	MEXICO	17	1	--	--	--	--	--	--	--	14	32	--	--
609	34	M	MEXICO	4	7	7	--	--	--	--	--	--	13	19	--	--
610	34	F	MEXICO	6	11	4	--	--	--	--	--	--	--	--	--	--
611	37	F	MEXICO	3	16	15	--	--	--	--	--	--	14	31	--	--
612	33	M	MEXICO	2	9	14	--	--	--	--	--	--	--	--	--	--
613	28	M	MEXICO	6	9	32	--	--	--	--	--	--	17	32	--	--
614	37	F	JAPAN	14	8	17	--	--	--	--	--	--	7	15	--	--
615	33	M	MEXICO	11	11	26	--	--	--	--	--	--	--	--	--	--
616	29	M	MEXICO	9	8	28	--	--	--	--	--	--	12	37	--	--
617	44	M	MEXICO	6	14	--	--	--	--	--	--	--	5	24	--	--
618	22	M	MEXICO	8	4	16	--	--	--	--	--	--	8	32	--	--
619	41	F	JAPAN	15	1	--	--	--	--	--	--	--	12	19	--	--
620	28	M	MEXICO	6	9	--	--	--	--	--	--	--	11	16	--	--
621	50	M	MEXICO	6	6	14	--	--	--	--	--	--	12	28	--	--
622	61	F	SO. KOREA	12	4	18	--	--	--	--	--	--	12	17	--	--
623	32	M	MEXICO	9	12	--	--	--	--	--	--	--	15	29	--	--
624	21	M	MEXICO	6	8	--	--	--	--	--	--	--	11	20	--	--
625	30	F	MEXICO	--	10	16	--	--	--	--	--	--	12	24	--	--
626	36	F	JAPAN	14	1	--	--	--	--	--	--	--	10	19	--	--
627	26	M	MEXICO	6	8	11	--	--	--	--	--	--	8	19	--	--
628	37	F	TAIWAN	12	2	19	--	--	--	--	--	--	10	31	--	--
629	21	M	MEXICO	11	5	21	--	--	--	--	--	--	--	--	--	--
630	39	M	MEXICO	6	19	11	--	--	--	--	--	--	8	22	--	--
631	23	M	MEXICO	6	7	20	--	--	--	--	--	--	--	--	--	--
632	31	F	MEXICO	6	6	27	--	--	--	--	--	--	--	--	--	--
633	23	F	JAPAN	14	1	23	--	--	--	--	--	--	16	31	--	--
634	38	F	KOREA	12	--	40	--	--	--	--	--	--	--	--	--	--
635	36	F	JAPAN	14	1	44	--	--	--	--	--	--	14	--	--	--
636	26	M	MEXICO	12	11	--	--	--	--	--	--	--	15	--	--	--
637	21	M	MEXICO	15	2	--	--	--	--	--	--	--	14	--	--	--
638	19	M	MEXICO	11	1	31	--	--	--	--	--	--	18	--	--	--
639	29	F	JAPAN	15	--	31	--	--	--	--	--	--	--	40	--	--
640	35	F	MEXICO	6	7	38	--	--	--	--	--	--	11	30	--	--
641	29	F	MEXICO	6	8	6	--	--	--	--	--	--	14	14	--	--
642	38	F	MEXICO	6	16	12	--	--	--	--	--	--	13	34	--	--
643	40	F	JAPAN	12	1	25	--	--	--	--	--	--	14	31	--	--
644	40	F	JAPAN	14	2	30	--	--	--	--	--	--	--	30	--	--
645	29	F	JAPAN	12	2	32	--	--	--	--	--	--	16	26	--	--
646	36	F	JAPAN	14	3	--	--	--	--	--	--	--	12	27	--	--
647	33	F	MEXICO	6	12	26	--	--	--	--	--	--	16	35	--	--
648	42	F	PANAMA	12	1	31	--	--	--	--	--	--	10	32	--	--
649	27	F	ELSALVADOR	12	8	28	--	--	--	--	--	--	--	26	--	--

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--COMPLETE SAMPLE--

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Code	Age	Sex	Country	Sch	USA	Tepl	ElsaB	Elsal	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
650	34	F	ITALY	8	11	38	--	--	--	--	--	--	25	40	--	--
651	29	M	MEXICO	[illegible]	[illegible]			--	--	--	--	--	19	35	--	--
652	38	M	MEXICO	3	17	21	--	--	--	--	--	--	14	24	--	--
653	26	M	MEXICO	6	5	--	--		[illegible]	--	--	--	--	--	--	--
654	42	F	JAPAN	14	2	--	--	--	24	--	--	--	--	--	--	--
655	33	M	MEXICO	9	8	--	--	--	20	--	--	--	--	--	--	--
[illegible]	28	F	JAPAN	14	2	--	--	--	22	--	--	--	--	--	--	--
657	34	F	CHINA	12	5	31	--	--	20	--	--	--	--	--	--	--
658	24	M	INDIA	10	2	36	--	--	20	--	--	--	--	--	--	--
660	20	M	KOREA	14	--	40	--	--	24	--	--	--	--	--	--	--
661	26	F	TAIWAN	16	1	33	--	--	--	--	--	--	--	--	--	--
662	68	F	CHINA	15	7	40	--	--	21	--	--	--	--	--	--	--
663	41	F	KOREA	16	7	30	--	--	20	--	--	--	--	--	--	--
664	26	F	GREECE	12	8	21	--	--	--	--	--	--	--	--	--	--
665	21	F	ELSALVADOR	12	1	27	--	--	14	--	--	--	--	--	--	--
666	30	F	KOREA	14	6	35	--	--	--	--	--	--	--	--	--	--
667	35	F	INDIA	12	12	31	--	--	--	--	--	--	--	--	--	--
668	36	F	INDIA	7	9	--	--	--	9	--	--	--	--	--	--	--
669	38	F	JAPAN	14	8	32	--	--	22	--	--	--	--	--	--	--
670	35	F	IRAN	12	1	17	--	--	12	--	--	--	--	--	--	--
671	23	F	IRAN	12	1	30	--	--	13	--	--	--	--	--	--	--
672	60	F	COLOMBIA	12	10	16	--	--	11	--	--	--	--	--	--	--
673	27	F	KOREA	16	2	33	--	--	--	--	--	--	--	--	--	--
674	--			--	--	--	--	--	19	--	--	--	--	--	--	--
675	29	F	JAPAN	16	2	--	--	--	--	--	--	--	--	--	--	--
676	37	F	JAPAN	14	1	--	--	--	--	--	--	--	21	37	--	--
677	44	F	JAPAN	14	3	--	--	--	--	--	--	--	12	29	--	--
678	37	F	KOREA	16	2	44	--	--	--	--	--	--	18	34	--	--
679	51	F	KOREA	12	9	28	--	--	--	--	--	--	18	31	--	--
681	34	F	JAPAN	14	2	37	--	--	--	--	--	--	14	22	--	--
682	34	F	KOREA	12	6	47	--	--	--	--	--	--	--	--	--	--
683	26	F	KOREA	16	1	44	--	--	--	--	--	--	20	37	--	--
684	39	F	IRAN	12	8	46	--	--	--	--	--	--	--	--	--	--
685	19	M	KOREA	12	1	53	--	--	--	--	--	--	--	--	--	--
687	39	F	JAPAN	16	1	49	--	--	--	--	--	--	20	34	--	--
688	48	F	TAIWAN	19	6	44	--	--	--	--	--	--	24	37	--	--
689	36	F	KOREA	16	11	35	--	--	--	--	--	--	13	32	--	--
690	30	F	JAPAN	16	2	39	--	--	--	--	--	--	22	30	--	--
691	26	F	TAIWAN	14	5	20	--	--	--	--	--	--	12	24	--	--
692	40	F	KOREA	16	17	38	--	--	--	--	--	--	14	26	--	--
693	32	M	MEXICO	10	8	--	--	--	21	--	--	--	21	36	--	--
694	47	F	JAPAN	14	1	--	--	--	23	--	--	--	--	--	--	--

--COMPLETE SAMPLE--

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Code	Age	Sex	Country	Sch	USA	Tepl	ElsaB	Elsal	TabeEv	TabeEc	TabeMv	TabeMc	Able1v	Able1c	Able2v	Able2c
695	45	F	JAPAN	14	3	--	21	--	17	--	--	--	--	--	--	--
696	40	F	JAPAN	14	1	--	22	--	22	--	--	--	--	--	--	--
697	27	F	JAPAN	12	3	--	22	--	--	--	--	--	--	--	--	--
698	35	F	JAPAN	16	1	--	24	--	24	--	--	--	--	--	--	--
699	19	M	KOREA	12	--	--	18	--	--	--	--	--	--	--	--	--
700	23	M	MEXICO	9	9	--	13	--	14	--	--	--	--	--	--	--
701	38	F	JAPAN	16	1	--	25	--	24	--	--	--	--	--	--	--
702	29	F	JAPAN	12	1	--	19	--	19	--	--	--	--	--	--	--
703	28	M	ELSALVADOR	9	9	--	16	--	20	--	--	--	--	--	--	--

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